# PROGRAM DÖKÜM EKİ

# 57

- Prince Char
- Line Sweep
- Random Futbol Ligi
- Q-Test (GEOS)
- Renk+Kaydırma
- Genişleme
- English 64
- Last Müzik
- At Yarışı
- Mozaik

COMMODORE

AYLIK BİLGİSAYAR DERGİSİ

Commodore'un Ücretsiz Ekidir

# PRINCE CHAR

CELAL HALLAÇ

Daha önce yayınladığımız BIG-EDIT programı için yeni bir karakter seti daha yayınlıyoruz. Bu karakter setini ve BIG-EDIT programıyla yayınlanan diğer karakter setlerini bu ayki Renk+Kaydırma adlı programla kullanabilirsiniz. Yapmanız gereken tek şey bu dataları ve Renk+Kaydırma programını MDE ile girip kaydetmek ve daha sonra, programı çalıştırmadan önce Prince char'ı da yüklemek. İyi çalışmalar.

```
PROGRAM  : PRINCE-CHAR  3000 3800
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3000 : 00 00 00 00 00 00 00 00  01
3008 : 0B 1F 3A 26 46 06 02 0F  B1
3010 : 7F 3F 10 18 1C 1C 1D 18  7D
3018 : 01 07 0E 0C 18 18 30 30  05
3020 : 7F 3F 10 18 1C 1C 1C 18  89
3028 : 01 07 0E 0C 18 18 33 2F  1F
3030 : 7F 3F 10 18 1C 1C 1C 1B  9F
3038 : 01 07 0E 0C 18 18 30 30  25
3040 : 08 04 04 06 06 02 0F 3F  37
3048 : 07 0F 19 01 01 01 01 03  60
3050 : 07 0F 19 01 01 01 01 03  68
3058 : 08 04 04 06 06 02 06 03  B3
3060 : 08 04 06 06 06 06 06 0E  72
3068 : 08 0C 03 05 05 06 06 0E  8D
3070 : 08 0C 03 05 05 06 06 0E  95
3078 : 01 07 0E 0C 18 18 30 30  65
3080 : 7F 3F 10 18 1C 1C 1C 19  EB
3088 : 01 07 0E 0C 18 18 30 30  75
3090 : 7F 3F 10 18 1C 1C 1D 19  FF
3098 : 03 0F 1C 38 30 18 1C 0F  83
30A0 : 07 1F 38 60 00 00 00 01  53
30A8 : 08 0C 0C 0C 06 06 06 0E  00
30B0 : 08 0C 0C 0C 0C 0C 06 06  88
30B8 : 10 18 18 18 0C 0C 0C 1C  67
30C0 : 40 30 1C 0E 06 03 02 01  64
30C8 : 40 30 10 18 18 0C 0E 04  4A
30D0 : 0F 3F 50 00 00 00 00 01  95
30D8 : 07 0F 0C 1C 1C 1C 18 18  21
30E0 : 00 00 00 00 00 00 00 00  E1
30E8 : 03 00 00 00 00 00 00 00  EC
30F0 : 00 00 00 00 00 00 00 00  F1
30F8 : 00 00 00 00 00 00 00 00  F9
3100 : 00 00 00 00 00 00 00 00  01
3108 : 00 00 00 00 00 00 00 00  09
3110 : 1E 07 0E 1C 30 41 00 00  C6
3118 : 00 00 00 00 00 00 00 00  19
3120 : 00 00 00 00 00 00 00 00  21
3128 : 00 00 00 00 00 00 00 00  29
3130 : 00 00 00 00 00 00 00 00  31
3138 : 03 00 01 03 06 08 00 00  7D
3140 : 00 00 00 00 00 00 00 00  41
3148 : 00 00 00 00 00 00 00 00  49
3150 : 00 00 01 01 7F 1F 07 07  CC
3158 : 00 00 00 00 01 01 03 0F  9B
3160 : 00 00 00 00 00 00 00 00  61
3168 : 00 00 00 00 00 00 00 0F  87
3170 : 00 00 00 00 00 00 00 00  71
3178 : 00 00 00 00 00 00 00 01  7B
3180 : 00 00 00 00 00 00 00 00  81
3188 : 00 00 00 00 00 00 00 00  89
3190 : 00 00 00 00 00 00 00 00  91
3198 : 00 00 00 00 00 00 00 00  99
31A0 : 00 00 00 00 00 00 00 00  A1
```

```
31A8 : 00 00 00 00 00 00 00 00  A9
31B0 : 00 00 00 00 00 00 00 00  B1
31B8 : 00 00 00 00 00 00 00 00  B9
31C0 : 00 00 00 00 00 00 00 00  C1
31C8 : 00 00 00 00 00 00 00 00  C9
31D0 : 00 00 00 00 00 00 00 00  D1
31D8 : 00 00 00 00 00 00 00 00  D9
31E0 : 00 00 00 00 00 00 00 00  E1
31E8 : 00 00 00 00 00 00 00 00  E9
31F0 : 00 00 00 00 00 00 00 00  F1
31F8 : 00 00 00 00 00 00 00 00  F9
3200 : 00 00 00 00 00 00 00 00  01
3208 : 80 E0 78 18 0C 0C F4 FF  0E
3210 : F0 F8 1C 0E 0E 1C 38 E0  AA
3218 : E0 F8 1C 0E 02 02 00 00  6D
3220 : C0 F0 38 1C 0E 06 06 03  19
3228 : E0 F8 1C 0E 02 02 00 C0  FF
3230 : C0 FC 3E 01 00 00 00 80  1F
3238 : E0 F8 1C 0E 02 02 00 00  8D
3240 : 02 01 01 03 03 03 C3 FD  B7
3248 : C0 E0 30 80 80 80 80 80  A4
3250 : C0 E0 30 80 80 80 80 80  AC
3258 : 02 04 0C 18 38 30 E0 40  6C
3260 : 00 00 00 00 00 00 00 00  61
3268 : 02 03 06 85 8D DB DB 67  14
3270 : 02 01 01 83 83 C3 C3 67  D8
3278 : E0 F8 1C 0C 06 06 06 06  12
3280 : F0 FC 0E 07 07 0E 7C F0  08
3288 : E0 F8 1C 0C 06 06 06 06  22
3290 : F0 FC 0E 07 07 0E 7C F0  18
3298 : C0 F8 3C 04 02 00 00 80  85
32A0 : F0 FC 8E C1 C0 C0 C0 C0  81
32A8 : 02 01 03 03 03 03 03 07  AF
32B0 : 02 01 03 03 03 03 03 07  B7
32B8 : 02 01 03 03 03 03 03 07  BF
32C0 : 01 02 06 0C 1C 38 30 E0  CC
32C8 : 01 02 06 0C 1C 38 30 E0  D4
32D0 : C1 FA 2E 19 18 30 70 E0  44
32D8 : C0 00 00 00 00 00 00 00  99
32E0 : 00 00 00 00 00 00 00 00  E1
32E8 : E0 F0 30 38 38 38 18 18  29
32F0 : 00 00 00 00 00 00 00 00  F1
32F8 : 00 00 00 00 00 00 00 00  F9
3300 : 00 00 00 00 00 00 00 00  01
3308 : 00 00 00 00 00 00 00 00  09
3310 : 78 1C 38 70 C0 00 00 00  BF
3318 : 00 00 00 00 00 00 00 00  19
3320 : 00 00 00 00 00 00 00 00  21
3328 : 00 00 00 00 00 00 00 00  29
3330 : 00 00 00 00 00 00 00 00  31
3338 : C0 E0 C0 80 00 00 00 00  A9
3340 : 00 00 00 00 00 00 00 00  41
3348 : 00 00 00 00 00 00 00 00  49
3350 : 80 80 C0 C0 FF FC F0 F0  E6
3358 : 00 80 80 80 C0 C0 E0 F8  50
3360 : 00 00 00 00 00 00 00 00  61
3368 : 00 00 00 00 00 00 00 F0  4A
3370 : 00 00 00 00 00 00 00 00  71
3378 : 01 06 1C 38 70 E0 C0 C0  1D
3380 : 00 00 00 00 00 00 00 00  81
3388 : 00 00 00 00 00 00 00 00  89
3390 : 00 00 00 00 00 00 00 00  91
3398 : 00 00 00 00 00 00 00 00  99
33A0 : 00 00 00 00 00 00 00 00  A1
33A8 : 00 00 00 00 00 00 00 00  A9
33B0 : 00 00 00 00 00 00 00 00  B1
33B8 : 00 00 00 00 00 00 00 00  B9
33C0 : 00 00 00 00 00 00 00 00  C1
33C8 : 00 00 00 00 00 00 00 00  C9
33D0 : 00 00 00 00 00 00 00 00  D1
33D8 : 00 00 00 00 00 00 00 00  D9
33E0 : 00 00 00 00 00 00 00 00  E1
33E8 : 00 00 00 00 00 00 00 00  E9
33F0 : 00 00 00 00 00 00 00 00  F1
33F8 : 00 00 00 00 00 00 00 00  F9
3400 : 00 00 00 00 00 00 00 00  01
3408 : 1F 34 4C 18 18 18 10 20  1A
3410 : 17 1E 18 18 58 30 3F 47  D2
3418 : 30 60 60 60 60 30 3F 1F  5F
3420 : 18 18 18 18 58 30 3F 47  E0
3428 : 3C 60 20 60 60 30 3F 1F  6B
3430 : 17 3C 68 18 18 30 20 40  87
3438 : 30 60 60 60 60 30 3F 1F  7F
3440 : 44 0C 0C 18 18 30 20 40  95
3448 : 03 03 03 06 06 64 3F 1F  0D
3450 : 03 03 43 43 66 66 3E 3C  19
3458 : 4F 34 0C 18 18 30 20 40  CC
3460 : 0C 0C 0C 18 18 68 1F 23  00
3468 : 0C 0C 0C 18 18 30 20 40  85
3470 : 0C 0C 0C 18 18 30 20 40  8D
3478 : 30 60 60 60 60 30 3F 1F  BF
3480 : 17 3E 68 18 18 30 20 40  D8
3488 : 30 60 61 62 60 30 3F 1F  50
3490 : 17 3E 68 18 18 30 20 40  E8
3498 : 03 00 00 40 20 30 1F 0F  C2
34A0 : 01 01 01 01 01 03 03 06  C3
34A8 : 0C 0C 0C 18 18 0C 0F 03  E5
34B0 : 06 06 06 06 06 03 03 01  82
34B8 : 18 18 18 31 33 1B 1E 0C  A5
34C0 : 00 01 03 06 06 0C 18 20  24
34C8 : 03 01 03 06 06 0C 18 20  2F
34D0 : 03 07 0E 0C 18 70 3F 4F  FD
34D8 : 18 18 1C 1C 1C 0C 0F 07  F3
34E0 : 00 00 00 00 00 00 00 00  E1
34E8 : 00 00 00 00 00 00 00 03  EF
34F0 : 00 00 00 00 00 00 00 00  F1
34F8 : 00 00 00 00 00 00 00 00  F9
3500 : 00 00 00 00 00 00 00 00  01
3508 : 00 00 00 00 00 00 00 00  09
3510 : 00 00 00 00 00 00 00 00  11
3518 : 00 00 00 00 00 00 00 00  19
3520 : 00 00 00 00 00 00 00 00  21
3528 : 00 00 00 00 00 00 00 00  29
3530 : 00 00 00 00 00 00 00 00  31
3538 : 00 00 00 00 00 00 00 00  39
3540 : 00 00 00 00 00 00 00 00  41
3548 : 00 00 00 00 00 00 00 00  49
3550 : 0F 0E 1C 10 00 00 00 00  70
3558 : 7F 0F 03 01 01 00 00 00  50
3560 : 00 00 00 00 01 03 09 07  BB
3568 : 7F 0F 00 00 00 00 00 00  6F
3570 : 00 00 00 00 01 03 03 01  A7
```

```
3578 : 01 03 03 07 06 04 08 08  4D
3580 : 00 00 00 00 00 00 00 00  81
3588 : 00 00 00 00 00 00 00 00  89
3590 : 00 00 00 00 00 00 00 00  91
3598 : 00 00 00 00 00 00 00 00  99
35A0 : 00 00 00 00 00 00 00 00  A1
35A8 : 00 00 00 00 00 00 00 00  A9
35B0 : 00 00 00 00 00 00 00 00  B1
35B8 : 00 00 00 00 00 00 00 00  B9
35C0 : 00 00 00 00 00 00 00 00  C1
35C8 : 00 00 00 00 00 00 00 00  C9
35D0 : 00 00 00 00 00 00 00 00  D1
35D8 : 00 00 00 00 00 00 00 00  D9
35E0 : 00 00 00 00 00 00 00 00  E1
35E8 : 00 00 00 00 00 00 00 00  E9
35F0 : 00 00 00 00 00 00 00 00  F1
35F8 : 00 00 00 00 00 00 00 00  F9
3600 : 00 00 00 00 00 00 00 00  01
3608 : 0C 06 06 06 06 0C 08 10  5B
3610 : F8 7C 0E 07 07 0E FC F0  62
3618 : 00 00 01 06 1C 78 E0 80  24
3620 : 03 03 06 06 0C 3C F0 C0  CF
3628 : A0 00 01 06 1C 78 E0 80  D4
3630 : E0 50 00 00 00 00 00 00  39
3638 : 38 4C 06 06 0C 38 F0 C0  A1
3640 : 3F 03 06 0E 0C 18 10 20  46
3648 : 00 00 00 00 00 C0 80 00  51
3650 : 00 00 00 00 00 00 00 00  51
3658 : 60 60 30 30 18 18 0C 02  71
3660 : 00 00 00 00 00 0C F0 E0  46
3668 : 26 06 06 0C 1C 18 10 20  98
3670 : 66 66 36 2C 1C 18 10 20  20
3678 : 06 0C 0C 0C 18 78 E0 80  D3
3680 : C0 00 00 00 00 00 00 00  41
3688 : 06 0C 8C EC 78 78 F1 8E  85
3690 : C0 80 C0 C0 60 60 30 08  B2
3698 : E0 78 1C 0C 0C 18 F8 E0  64
36A0 : 80 80 80 80 80 00 00 00  99
36A8 : 06 06 06 0C 1C 38 F0 C0  7D
36B0 : 06 06 0C 1C 38 70 E0 80  CC
36B8 : 06 06 86 8C DC 78 78 30  C8
36C0 : C0 A0 B0 30 18 1C 0C 02  99
36C8 : C0 80 80 00 00 00 00 00  E9
36D0 : 80 00 00 00 01 1E FC E0  07
36D8 : 00 00 00 00 00 00 00 C0  5A
36E0 : 00 00 00 00 00 00 00 00  E1
36E8 : 18 18 38 38 38 30 F0 E0  AC
36F0 : 00 00 00 00 00 00 00 00  F1
36F8 : 00 00 00 00 00 00 00 00  F9
3700 : 00 00 00 00 00 00 00 00  01
3708 : 00 00 00 00 00 00 00 00  09
3710 : 00 00 00 00 00 00 00 00  11
3718 : 00 00 00 00 00 00 00 00  19
3720 : 00 00 00 00 00 00 00 00  21
3728 : 00 00 00 00 00 00 00 00  29
3730 : 00 00 00 00 00 00 00 00  31
3738 : 00 00 00 00 00 00 00 00  39
3740 : 00 00 00 00 00 00 00 00  41
3748 : 00 00 00 00 00 00 00 00  49
3750 : F8 38 1C 04 00 00 00 00  EC
3758 : FF F8 E0 C0 C0 80 80 80  37
3760 : 00 00 00 00 80 C0 80 00  71
3768 : FE F0 00 00 00 00 00 00  DF
3770 : 00 00 00 00 80 C0 C0 80  83
3778 : 80 80 00 00 00 00 00 00  39
3780 : 00 00 00 00 00 00 00 00  81
3788 : 00 00 00 00 00 00 00 00  89
3790 : 00 00 00 00 00 00 00 00  91
3798 : 00 00 00 00 00 00 00 00  99
37A0 : 00 00 00 00 00 00 00 00  A1
37A8 : 00 00 00 00 00 00 00 00  A9
37B0 : 00 00 00 00 00 00 00 00  B1
37B8 : 00 00 00 00 00 00 00 00  B9
37C0 : 00 00 00 00 00 00 00 00  C1
37C8 : 00 00 00 00 00 00 00 00  C9
37D0 : 00 00 00 00 00 00 00 00  D1
37D8 : 00 00 00 00 00 00 00 00  D9
37E0 : 00 00 00 00 00 00 00 00  E1
37E8 : 00 00 00 00 00 00 00 00  E9
37F0 : 00 00 00 00 00 00 00 00  F1
37F8 : 00 00 00 00 00 00 00 00  F9
```

# LINE SWEEP

TUNCAY GAZİ

Oyunumuz yıllar önce Atari için hazırlanan bir oyundan esinlenerek yazılmıştır. Oyunda KURSOR tuşları ile mavi bir topu yönetiyoruz.

Amacımız ise satırlar arasına konmuş çizgilerin hepsini yiyip bitirmek. Ancak bu iş göründüğü kadar kolay değil. Oyunda bizi zorlayacak olan iki önemli engel var. Bunlardan ilki satırlar arasında dolaşan ve bize çarptığında bir hakkımızı götüren dolar işaretleri. Oyuna dört hakla başlıyorsunuz, hak sayınızı L1 değişkeniyle oynayarak arttırabilirsiiz. Dolar işaretlerini bir de açık yanları var, bunu bulmayı da size bırakıyorum. Açıklarını yakaladığınız zaman oyunu kolaylıkla bitirebilirsiniz.

İkinci engel ise zaman. Dolar işaretleriyle uğraşırken zamana karşı da yarışmanız gerekiyor. Tanınan süre bir buçuk dakika. Umarım yeter.

Oyunda her çizgi yediğiniz de 10 puan alıyorsunuz. Bütün çizgileri bitirdiğinizde ise bir kutlama mesajı belirtir ve tekrar oynayıp oynamak istemediğiniz sorulur. Eğer çizgileri zamanında bitiremezseniz kaybettiğiniz belirtilir ve tekrar oynamak istiyor musunuz diye sorulur.

Oyun sırasında puanınız, kalan hakkınız ve geçen süre ekranınızın üstünde gösterilir. Hepinize başarılar.

```
PROGRAM ADI : LINE SWEEP

00100 REM    * LINE SWEEP                    <090>
00101 REM  ****************************      <092>
00102 REM  **                          **    <102>
00103 REM  **        PROGRAM           **    <030>
00104 REM  **                          **    <104>
00105 REM  **          BY              **    <119>
00106 REM  **                          **    <106>
00107 REM  **    TUNCAY  GOKSU         **    <095>
00108 REM  **                          **    <108>
00109 REM  ****************************      <100>
00110 :                                      <086>
00111 T=1604:A=1265:FOR I=1 TO 6:A=A+80:D
      (I)=A:NEXT :PRINT CHR$(8)              <100>
00112 S=54272:SC=0:LI=4:DX=2                 <167>
00113 GOSUB 170                              <169>
00114 :                                      <090>
00115 TI$="000000":PRINT "<CLR><6DOWN>"      <238>
00116 :                                      <092>
00117 PRINT "<C=7><RVSON><40SPACE><RVSOFF
      >"                                     <140>
00118 PRINT "<2RIGHT><RVSON><13SPACE><RVS
      OFF><3SPACE><RVSON><10SPACE><RVSOFF
      ><3SPACE><RVSON><7SPACE><RVSOFF>"      <099>
00119 PRINT "<DOWN><2RIGHT><RVSON><5SPACE
      ><RVSOFF><3SPACE><RVSON><10SPACE><R
      VSOFF><3SPACE><RVSON><15SPACE><RVSO
      FF>"                                   <239>
00120 PRINT "<DOWN><2RIGHT><RVSON><17SPAC
      E><RVSOFF><3SPACE><RVSON><11SPACE><
      RVSOFF><2SPACE><RVSON><3SPACE><RVSO
      FF>"                                   <240>
00121 PRINT "<DOWN><2RIGHT><RVSON><9SPACE
      ><RVSOFF><3SPACE><RVSON><9SPACE><RV
      SOFF><3SPACE><RVSON><12SPACE><RVSOF
      F>"                                    <241>
00122 PRINT "<DOWN><2RIGHT><RVSON><12SPAC
      E><RVSOFF><3SPACE><RVSON><9SPACE><R
      VSOFF><3SPACE><RVSON><9SPACE><RVSOF
      F>"                                    <242>
00123 PRINT "<DOWN><RVSON><40SPACE><RVSOF
      F>"                                    <250>
00124 PRINT "<HOME><6DOWN>":FOR I=1 TO 6:
      PRINT "<DOWN><2RIGHT>C C C C<SHIFT-
      SPACE>C<SHIFT-SPACE>C C C C C C C C
       C C C C C "                           <062>
00125 NEXT                                   <135>
00126 :                                      <102>
00127 GET A$:IF A$="<UP>" THEN T=T-40:POK
      E T+40,32:X=X+DX:CX=X-DX:GOTO 132      <083>
00128 IF A$="<DOWN>" THEN T=T+40:POKE T-4
```

```
      0,32:X=X+DX:CX=X-DX:GOTO 132                    (231)
00129 IF A$="<RIGHT>" THEN T=T+1:POKE T-1
      ,32:X=X+DX:CX=X-DX:GOTO  132                    (116)
00130 IF A$="<LEFT>" THEN T=T-1:POKE T+1,
      32:X=X+DX:CX=X-DX:GOTO 132                      (209)
00131 X=X+DX:CX=X-DX                                  (125)
00132 IF PEEK(T)=67 THEN  GOSUB 145:IF SC
      >=1030 THEN GOTO 166                            (185)
00133 IF PEEK(T)=36 THEN  GOSUB 150:IF LI
      <0 THEN GOTO 154                                (118)
00135 IF PEEK(T)=160 THEN  GOSUB  148                 (059)
00136 IF VAL(TI$)=130  THEN GOTO 154                  (205)
00137 POKE T,81:POKE T-1024+55296,14                  (098)
00138 FOR I=1 TO 6:POKE D(I)+X,36:POKE D(
      I)+CX,32:NEXT                                   (067)
00139 :                                               (115)
00140 PRINT "<HOME><RVSON><2RIGHT) ZAMAN
      :<11SPACE>LI :<6SPACE>SC :<3SPACE>"             (040)
00141 PRINT "<HOME><RVSON>"TAB(10)TI$TAB(
      24)LITAB(33)SC :IF X<2 OR X>34 THEN
       DX=-DX                                         (234)
00142 GOTO  127                                       (070)
00145 POKE S+24,15:POKE S+5,65:POKE S+6,1
      28:POKE S+1,40:POKE S,200:POKE S+4,
      17                                              (080)
00146 SC=SC+10:FOR U=1 TO 50:NEXT :POKE S
      +4,16:POKE S+5,0:FOR I=1 TO 6:POKE
      D(I)+X,32:NEXT                                  (194)
00147 RETURN                                          (205)
00148 FOR U=15 TO 0 STEP -1:PCKE S+24,U:
      POKE S+4,128:POKE S+5,15:POKE S+1,4
      0:POKE S,200                                    (034)
00149 NEXT :POKE S+4,128:POKE ST+5,0:POKE
       T,160:T=1604:RETURN                            (234)
00150 POKE S+24,15:POKE S+5,65:POKE S+6,1
      28:POKE S+1,51:POKE S,97:POKE S+4,1
      29                                              (120)
00151 FOR U=1 TO 300:NEXT :LI=LI-1:POKE S
      +4,128:POKE S+24,0:FOR I=1 TO 6:POK
      E D(I)+X,32                                     (034)
00152 NEXT :RETURN                                    (091)
00153 :                                               (129)
00154 FOR I=0 TO 15:POKE 646,I                        (076)
00155 PRINT "<CLR><3RIGHT><3DOWN>UZGUNUM<
      2DOWN><LEFT>BA$ARILI<2DOWN><3LEFT>O
      LANADINIZ..":GOSUB 156:NEXT :GOTO 1
      63                                              (079)
00156 PRINT "<5DOWN>"                                 (103)
00157 PRINT "<4RIGHT>**********************
      ************** "                               (087)
00158 PRINT "<4RIGHT>*<32SPACE>*<2SPACE>"
      ;                                               (061)
00159 PRINT "<4RIGHT>* BIR DAHA OYNAMAK I
      STERMISINIZ? *<2SPACE>";                        (165)
00160 PRINT "<4RIGHT>*<12SPACE>( E / H )<
      11SPACE>*<2SPACE>";                             (211)
00161 PRINT "<4RIGHT>*<32SPACE>*<2SPACE>"
      ;                                               (064)
00162 PRINT "<4RIGHT>**********************
      **************<2SPACE>":FOR A=1 TO
      100:NEXT :RETURN                                (192)
00163 GET B$:IF B$="E" THEN RUN                       (186)
00164 IF B$<>"H" THEN 163                             (149)
00165 END                                             (167)
00166 FOR I=0 TO 15:POKE 646,I:PRINT "<CL
      R>"                                             (011)
00167 PRINT "<CLR><2DOWN><11SPACE>B R A V
       O ! ! !"                                       (020)
00168 PRINT "<2DOWN><4RIGHT>OYUNU<2DOWN><
      LEFT>BA$ARIYLA<2DOWN><2LEFT>BITIRDI
      NIZ ..."                                        (152)
00169 GOSUB 156 :NEXT :GOTO 163                       (069)
00170 POKE 53281,0:PRINT "<CLR><RVSON><C=
      7>TUNCAY GOKSU...<5SPACE><C) 1990 S
      EPTEMBER<2SPACE><RVSOFF>":GOSUB 172             (017)
00171 POKE 53280,0:PRINT "<HOME><12DOWN><
      15RIGHT><CTRL-8>LINE SWEEP":GOSUB 1
      72                                              (033)
00172 FOR A=0 TO 2000:NEXT :RETURN                    (098)
00173 RETURN                                          (231)
00174 :                                               (150)
00175 REM         ******************                  (056)
00176 REM         *                *                  (225)
00177 REM         *  LINE  SWEEP   *                  (236)
00178 REM         *                *                  (227)
00179 REM         ******************                  (060)
00180 REM                                             (242)
00181 REM                                             (243)
00182 REM       ************************              (239)
00183 REM       *    PROGRAM BY      *                (000)
00184 REM       *   TUNCAY GOKSU     *                (124)
00185 REM       *--------------------*                (194)
00186 REM       *   ADRES  &  TEL.   *                (072)
00187 REM       *BADEMLI SOK.NO 10/13*                (233)
00188 REM       * ABIDINPA$A/ANKARA  *                (244)
00189 REM       *   TEL : 3645620    *                (075)
00190 REM       ************************              (247)
```

# RANDOM FUTBOL LİGİ

TOLGA KALE

C-64'ünüzle lig yönetmek ister miydiniz? Bu program belki Football Manager II gibi güzel grafik, Football Director gibi güzel kurguya sahip değil, ama yine de insan 34 hafta boyunca heyecana kapılıyor. Programın adını Random Futbol Ligi koydum ama oyun tamamen de şansa dayanmıyor. Her takımın belirli bir teknik puanı var ve teknik puanı daha fazla olan takım, teknik puanı az olan takımdan daha fazla gol atma şansına sahip. Bu teknik puanları data satırlarında bulabilir ve değiştirebilirsiniz. Biraz da oyunu açıklayalım. Açılış ekranından sonra hangi takımı tuttuğunuz soruluyor. Burada tuttuğunuz takımın listedeki numarasını yazın. 14 saniye boyunca fikstür hafızaya yükleniyor ve menü karşınıza geliyor.

1- Takım Değiştirme
2- Haftanın Maçları
3- Puan Tablosu
4- Haftaya Başlama

1- Takım Değiştirme: Burada ilk önce takımların listesi çıkıyor ve kaç numaralı takımın değiştirileceği soruluyor. Sonra yeni isim soruluyor, yeni liste çıkıyor ve başka değişiklik yapılıp yapılmayacağı soruluyor. E ile başka değişiklik yapılabilir. H ile menüye geri dönülür.

2- Haftanın Maçları: Burada haftanın maçlarını görebilirsiniz. Herhangi bir tuşa basarak menüye geri dönülür.

3- Puan Tablosu: Burada puan tablosunu görebilirsiniz. Program, averajı sıralamada hesaba katmıyor. Herhangi bir tuşla geri dönülür.

4- Haftaya Başlama: İlk önce maçların sonuçları gösterilir. Herhangi bir tuşa bastıktan sonra puan tablosu gösterilir ve diğer hafta başlar. 34 hafta sonunda şampiyon bilgisayar tarafından kutlanır. Programda 1987-1988 yılının fikstürü kullanılıyor. Program diskette 16 blok yer kaplıyor. Bu zevkli ve eğlenceli programı yazmanız dileğiyle.

```
PROGRAM ADI : RANDOM FUTBOL LIGI

00001 REM  ********************          (251)
00002 REM  *                  *          (051)
00003 REM  * TOLGA KALE (MTK) *          (207)
00004 REM  *                  *          (053)
00005 REM  ********************          (255)
00006 PRINT "{CLR}{2DOWN}":POKE  53281,0:
      POKE  53280,0                       (101)
00007 A$="T O L G A{7SPACE}K A L E":P=1   (189)
00008 P=P+1:L=LEN(A$):RM=(40-L)/2-1       (173)
00009 FOR X=L TO 1 STEP -1:AS=ASC(MID$(A$
      ,X,1)):AS=AS*AS*3:MI$="{2SPACE}"+MI
      D$(A$,X,1)                          (241)
00010 IF  MI$()"{2SPACE}" THEN  FOR K=1 T
      O X:PRINT TAB(RM+K-1)MI$"{UP}":NEXT
       :NEXT :PRINT "{5DOWN}"             (206)
00011 IF  P=2  THEN  A$="P{2SPACE}R{2SPAC
      E}E{2SPACE}S{2SPACE}E{2SPACE}N{2SPA
      CE}T{2SPACE}S":GOTO  8              (193)
00012 IF  P=3  THEN  A$="RANDOM{2SPACE}FU
      TBOL{2SPACE}LIGI":GOTO  8           (019)
00013 FOR I=1 TO 39:Z=I+1023:POKE Z,160:N
      EXT :FOR I=1 TO 39:Z=I+1983:POKE Z,
      160:NEXT                            (077)
00014 FOR I=1 TO 23:Z=I*40+1024:POKE Z,16
      0:NEXT :FOR I=0 TO 24:Z=I*40+1063:P
      OKE Z,160:NEXT                      (206)
00015 GET  A$:IF  A$="" THEN  15
                                          (185)
00016 DIM T$(18):DIM P(18):DIM PK$(18):DI
      M A(34,9):DIM B(34,9):DIM PO(18):DI
      M  GP(18)                           (088)
00017 DIM  TK(18):DIM  AV(18):DIM  GA(18) (028)
00018 FOR  A=1  TO  18                    (108)
00019 READ  B$,J:T$(A)=B$:TK(A)=J:NEXT  A (039)
00020 PRINT "{CLR}":FOR I=1 TO 18:PRINT I
      ;":{UP}":PRINT TAB(5)T$(I):NEXT  I  (028)
```

```
00021 PRINT "HANGI TAKIMI SECMEK ISTERSIN
      IZ ":INPUT  NU                          (087)
00022 T$(NU)="(RVSON)"+T$(NU)+"(RVSOFF)"      (073)
00023 PRINT "(CLR)BIRAZ BEKLEYINIZ....."      (131)
00024 FOR  C=1  TO  17                        (128)
00025 FOR  Z=1  TO  9                         (007)
00026 READ  O,D:A(C,Z)=O:B(C,Z)=D:PRINT
      "(HOME)(2DOWN)(5RIGHT)";34-C            (121)
00027 NEXT  Z:NEXT  C                         (186)
00028 RESTORE                                 (078)
00029 FOR  I=1  TO 18:READ  B$,J:NEXT I       (229)
00030 FOR  C=18  TO  34                       (138)
00031 FOR  Z=1  TO  9:PRINT "(HOME)(2DOWN
      )(5RIGHT)";34-C;" (?)(?)(3SPACE)"       (223)
00032 READ  O,D:A(C,Z)=D:B(C,Z)=O             (054)
00033 NEXT  Z:NEXT  C                         (192)
00034 FOR  C=1  TO  34                        (137)
            "(CLR)";C;". HAFTA(2SPACE)"       (178)
00036 PRINT "(DOWN) (1) TAKIM DEGISTIRME"     (245)
00037 PRINT "(DOWN) (2) HAFTANIN MACLARI"     (185)
00038 PRINT "(DOWN) (3) PUAN TABLOSU"         (015)
00039 PRINT "(DOWN) (4) HAFTAYA BASLAMA"      (061)
00040 GOTO  70                                (010)
00041 PRINT "(CLR)";C;". HAFTANIN MACLARI
       (3DOWN)"                               (077)
00042 FOR  I=1  TO  9:F=A(C,I):E=B(C,I)       (100)
00043 PRINT  T$(F);"(UP)":PRINT TAB(18)":
      (UP)":PRINT TAB(25)T$(E):NEXT  I        (238)
00044 GET  A$:IF  A$=""  THEN  44             (246)
00045 RETURN                                  (103)
00046 PRINT "(CLR)";C;". HAFTANIN SKORLAR
      I (3DOWN)"                              (242)
00047 FOR  I=1  TO  9:F=A(C,I):E=B(C,I)       (105)
00048 BF=INT(RND(0)*TK(F)):BE=INT(RND(0)*
      TK(E))                                  (200)
00049 IF  BF>BE  THEN  P(F)=P(F)+3:AV(F)=
      AV(F)+(BF-BE):AV(E)=AV(E)-(BF-BE)       (234)
00050 IF  BE>BF  THEN  P(E)=P(E)+3:AV(E)=
      AV(E)+(BE-BF):AV(F)=AV(F)-(BE-BF)       (225)
00051 IF  BE=BF  THEN  P(E)=P(E)+1:P(F)=P
      (F)+1                                   (112)
00052 PRINT T$(F);":(UP)":PRINT TAB(13)BF
      ;"(UP)":PRINT TAB(23)T$(E);":(UP)":
      PRINT TAB(35)BE                         (122)
00053 NEXT  I                                 (137)
00054 GET  A$:IF  A$="" THEN  54              (032)
00055 PRINT "(CLR)";C;". HAFTANIN PUAN TA
      BLOSU "                                 (080)
00056 PRINT "Z**F**********************F*****F**
      **********X"                           (143)
00057 PRINT "BNOB TAKIMLAR(7SPACE)B AV BP
      UAN(8SPACE)B"                           (219)
00058 PRINT "Z**F**************************
      **********X"                           (105)
00059 FOR I=1 TO 18:GP(I)=P(I):NEXT  I:T=
      -1                                      (150)
00060 FOR  PP=1  TO 18:FOR  I=1  TO  18       (123)
00061 IF  T<GP(I)  THEN  T=GP(I):RR=I         (080)
00062 NEXT  I                                 (146)
00063 PK$(PP)=T$(RR):GP(RR)=-3:PO(PP)=P(R
      R):T=-1:GA(PP)=AV(RR):NEXT  PP          (011)
00064 FOR  I=1  TO  18                        (218)
00065 PRINT I;".(UP)":PRINT TAB(5)PK$(I);
      "(UP)":PRINT TAB(20)"B";GA(I);"(UP)
      ":PRINT TAB(25)"B";PO(I)                (098)
00066 NEXT  I                                 (150)
00067 PRINT "(DOWN)";C+1;". HAFTAYA HAZIR
      LANIN..."                               (226)
00068 GET  A$:IF  A$=""  THEN  68             (079)
00069 RETURN                                  (127)
00070 GET  A$:IF  A$=""  THEN  70             (111)
00071 IF  A$="1"  THEN  77                    (061)
00072 IF  A$="2"  THEN  GOSUB  41:GOTO  3
      5                                       (139)
00073 IF  A$="3"  THEN  GOSUB  55:GOTO  3
      5                                       (084)
00074 IF  A$="4"  THEN  GOSUB  46:NEXT  C
       :GOTO  88                              (221)
00075 GOTO  70                                (045)
00076 GOSUB  55:GOTO  35                      (245)
00077 PRINT "(CLR)(DOWN) TAKIMLARI DEGIST
      IRME"                                   (221)
00078 FOR  I=1  TO  18                        (232)
00079 PRINT  I;":(UP)":PRINT  TAB(5)T$(I)
      :NEXT                                   (091)
00080 INPUT "(DOWN)KAC NUMARALI TAKIM DEG
      ISECEK";NM                              (162)
00081 INPUT "(DOWN)YENI ISIM";YN$             (198)
00082 T$(NM)=YN$:PRINT "(CLR)"                (253)
00083 FOR  I=1  TO  18:PRINT  I;":(UP)":P
      RINT  TAB(5)T$(I):NEXT                  (108)
00084 PRINT "BASKA DEGISIKLIK (E/H)"          (234)
00085 GET  A$:IF  A$="E"  THEN  77            (169)
00086 IF  A$="H"  THEN  35                    (184)
00087 GOTO  85                                (145)
00088 F=-1:FOR I=1 TO 18:IF P(I)>F THEN F
      =P(I):FF=I                              (066)
00089 NEXT  I                                 (173)
00090 PRINT "(CLR)"                           (078)
00091 FOR  R=1 TO 15                          (058)
00092 Q=R+1:W=Q+1                             (130)
00093 PRINT "(CLR)(RVSON) SAMPIYONSUN ";T
      $(FF);"(RVSOFF)"                        (218)
00094 POKE  53281,R:POKE  53280,Q:POKE  6
      46,W:NEXT :GOTO  90                     (110)
00095 DATA  GALATASARAY,9,FENERBAHCE,8.5,
      BESIKTAS,9.1,TRABZONSPOR,8.5            (244)
00096 DATA  SARIYER,8,BURSASPOR,7.5,ANKAR
      AGUCU,7,KONYASPOR,7.1,ADANASPOR,6.5     (129)
00097 DATA  MALATYASPOR,6,KARSIYAKA,6,G.B
      IRLIGI,6,BOLUSPOR,7.3                   (077)
00098 DATA  ZEYTINBURNU,5,ALTAY,5,SAMSUNS
      POR,4.5,ADANA D. SPOR,4,SAKARYASPOR
      ,4                                      (161)
00099 REM  TANTAN*** FIKSTUR ***TANTAN        (085)
00100 DATA  1,2,3,5,4,6,7,8,9,10,11,12,13
      ,14,15,16,17,18                         (080)
00101 DATA  13,18,3,8,4,14,7,16,11,17,1,1
      5,6,10,9,2,5,12                         (195)
00102 DATA  12,7,18,1,17,15,16,11,14,9,10
      ,4,8,5,2,13,6,3                         (080)
00103 DATA  1,11,15,13,18,9,17,7,2,4,16,5
      ,14,6,12,8,10,3                         (092)
00104 DATA  8,16,3,12,4,18,7,1,9,15,13,11
      ,10,14,6,2,17,5                         (068)
00105 DATA  13,7,11,9,15,4,1,5,18,6,17,8,
      2,10,16,12,14,3                         (140)
00106 DATA  12,17,3,16,4,11,14,2,10,18,8,
      1,6,15,5,13,9,7                         (082)
00107 DATA  7,4,9,5,11,6,13,8,15,10,1,12,
      18,14,17,16,2,3                         (150)
00108 DATA  8,9,3,17,2,18,16,1,14,15,12,1
      3,10,11,6,7,5,4                         (241)
00109 DATA  1,17,4,8,9,12,11,14,13,16,15,
      2,18,3,7,10,5,6                         (068)
00110 DATA  12,4,3,1,18,15,17,13,2,11,16,
      9,14,7,10,5,8,6                         (086)
00111 DATA  8,10,4,16,7,2,9,17,11,18,13,1
      ,15,3,6,12,5,14                         (180)
00112 DATA  13,3,15,11,1,9,18,7,17,4,2,5,
      18,6,14,8,10,12                         (237)
00113 DATA  12,14,4,1,7,15,9,13,3,11,10,1
      6,8,2,6,17,5,18                         (148)
00114 DATA  1,6,3,9,11,7,13,4,15,5,18,8,1
      7,10,2,12,16,14                         (171)
00115 DATA  8,15,4,9,7,3,16,2,14,17,12,18
      ,10,1,6,13,5,11                         (023)
00116 DATA  13,10,3,4,7,5,9,6,11,8,15,12,
      1,14,18,16,2,17                         (180)
```

# Q-TEST (GEOS)

VEDAT HALLAÇ

İşte Geos yazısında açıkladığımız programının MDE dökümü. Tabi ki bunu yazdıktan sonra GEOS formatına çevirmeniz gerekiyor. Bunun için şu bilgileri vermeniz gerekiyor:
C64 Dosya Tipi : USR
GEOS Dosya Tipi: APPLICATION
GEOS Yapısal Tipi: SEQ
Başlangıç adresi : $4400
Bitiş Adresi : $46BD
Çalıştırma Adresi : $4400
Dosya Adı : Q-Test V1.7
Yazarın Adı : Kendi adınızı yazabilirsiniz.

Tabi ki bunlardan sonra bir de ikon tanımlayıp programı GEOS formatına çevirin. Gelecek aya kadar hoşçakalın.

```
PROGRAM  : Q-TEST (GEOS) 4400 46BD
---------------------------------
4400 : 20 E1 C1 20 BA C1 A9 02  E7
4408 : 20 39 C1 20 9F C1 00 C7  D1
4410 : 00 00 3F 01 A9 20 85 02  B6
4418 : A9 44 85 03 20 5A C1 60  42
4420 : 08 A0 00 64 B6 44 0A 03  BE
4428 : 02 10 64 44 A7 44 0A 21  DB
4430 : 02 10 64 44 C8 44 0A 3F  31
4438 : 02 10 64 44 E9 44 12 3F  6B
4440 : 02 10 64 44 0A 45 21 3F  BA
4448 : 02 10 64 44 2C 45 21 21  A8
4450 : 02 10 64 44 4D 45 21 03  86
4458 : 02 10 64 44 6E 45 12 03  63
4460 : 02 10 64 44 20 9F C1 00  12
4468 : C7 00 00 3F 01 A9 BF 85  BE
4470 : 02 A9 45 85 03 20 5A C1  67
4478 : A9 9E 85 02 A9 45 85 03  F3
4480 : A9 00 20 51 C1 60 02 FF  83
4488 : 9C 80 01 80 39 80 6D 80  03
4490 : E5 B1 BD 83 19 B6 31 8C  B9
4498 : 61 98 C1 B1 B1 BB 01 BE  63
44A0 : 01 BC 01 80 01 02 FF 02  74
44A8 : FF 9C 87 01 8D 81 9E CF  DA
44B0 : BB 61 AD B1 B6 99 9B 09  76
44B8 : 9D 0D 96 07 9A 03 8C 01  58
44C0 : 87 E1 80 31 80 19 02 FF  57
44C8 : 02 FF 9C 80 01 80 01 BF  99
44D0 : 01 BF 81 BF C1 AF E1 A7  79
44D8 : F1 B3 F1 9A 11 8E 11 86  49
44E0 : 11 83 F1 80 01 80 01 02  5B
44E8 : FF 02 FF 9C 80 01 80 01  90
44F0 : 83 81 83 81 86 C1 86 C1  59
44F8 : 84 C1 8C 61 88 61 8F E1  42
4500 : 98 31 90 31 88 79 80 01  D6
4508 : 02 FF 02 FF 8E 80 01 80  7C
4510 : 01 90 01 98 01 8C 01 86  32
4518 : 01 83 01 02 81 8C 80 C1  5D
4520 : 80 61 80 31 80 19 80 09  7C
4528 : 80 01 02 FF 02 FF 9C 80  3D
4530 : 01 80 01 9D B9 90 09 90  CB
4538 : 09 80 01 90 09 90 09 80  0E
4540 : 01 90 09 90 09 9D B9 80  43
4548 : 01 80 01 02 FF 02 FF 9C  53
4550 : 80 01 80 01 9D B9 90 09  8D
4558 : 90 09 80 01 90 09 90 09  53
4560 : 80 01 90 09 90 09 9D B9  E1
4568 : 80 01 80 01 02 FF 02 FF  D1
4570 : 9C 80 01 80 01 9D B9 90  A2
4578 : 09 90 09 80 01 90 09 90  F6
4580 : 09 80 01 90 09 90 09 9D  90
4588 : B9 80 01 80 01 02 FF 01  F4
```

```
4590 : F0 00 9B B6 44 1E 96 02  CC
4598 : 10 9B 45 4C 2C C2 0A 18  82
45A0 : 00 00 7D 00 02 AF 45 80  B3
45A8 : C5 45 BA 45 80 F4 45 41  AE
45B0 : 4E 41 20 4D 45 4E 55 20  AD
45B8 : 31 00 41 4E 41 20 4D 45  D8
45C0 : 4E 55 20 32 00 1B B9 00  EE
45C8 : 00 50 00 88 1E 46 00 B4  7F
45D0 : 46 28 46 00 B4 46 32 46  8F
45D8 : 00 B4 46 3C 46 00 B4 46  0F
45E0 : 46 46 00 B4 46 50 46 00  E0
45E8 : B4 46 5A 46 00 B4 46 64  A6
45F0 : 46 00 B4 46 1B 7B 40 00  BB
45F8 : 98 00 C7 6E 46 00 B4 46  14
4600 : 7B 46 00 B4 46 82 46 00  C4
4608 : B4 46 BC 46 00 B4 46 96  B7
4610 : 46 00 B4 46 A0 46 00 B4  F2
4618 : 46 AA 46 00 B4 46 53 45  9A
4620 : 43 45 4E 45 4B 20 31 00  BD
```

```
4628 : 53 45 43 45 4E 45 4B 20  14
4630 : 32 00 53 45 43 45 4E 45  02
4638 : 4B 20 33 00 53 45 43 45  57
4640 : 4E 45 4B 20 34 00 53 45  23
4648 : 43 45 4E 45 4B 20 35 00  F5
4650 : 53 45 43 45 4E 45 4B 20  3C
4658 : 36 00 53 45 43 45 4E 45  2E
4660 : 4B 20 37 00 53 45 43 45  B0
4668 : 4E 45 4B 20 38 00 53 45  8B
4670 : 43 45 4E 45 4B 20 31 00  0D
4678 : 53 45 43 45 4E 45 4B 20  64
4680 : 32 00 53 45 43 45 4E 45  52
4688 : 4B 20 33 00 53 45 43 45  A7
4690 : 4E 45 4B 20 34 00 53 45  73
4698 : 43 45 4E 45 4B 20 35 00  45
46A0 : 53 45 43 45 4E 45 4B 20  8C
46A8 : 36 00 53 45 43 45 4E 45  7E
46B0 : 4B 20 37 00 20 BD C1 60  91
46B8 : 00 00 00 00 00 00 FF 00  B8
```

# RENK+KAYDIRMA

VEDAT HALLAÇ

Bu program hakkındaki tüm açıklamaları derginizdeki makina dilinin püf noktaları bölümünde bulabilirsiniz.

```
PROGRAM  : RENK+KAYDIRMA C000 C3C0
-----------------------------------

C000 : 78 A9 35 8D 14 03 A9 C0  CD
C008 : 8D 15 03 A9 00 8D 0E DC  74
C010 : 8D F7 C0 A9 1B 8D 11 D0  02
C018 : A9 31 8D 12 D0 A9 F1 8D  3D
C020 : 1A D0 A9 7F 8D 0D DC A9  05
C028 : C7 8D F8 C0 A9 15 8D 18  B6
C030 : D0 58 4C 32 C0 A9 1D 8D  6F
C038 : 18 D0 A2 0D CA D0 FD AD  89
C040 : F8 C0 8D 16 D0 A0 01 4C  6D
C048 : 4E C0 A2 00 A0 08 BD E2  A6
C050 : C0 8D 20 D0 8D 21 D0 E8  F0
C058 : 88 F0 F1 E0 11 B0 0F 20  04
C060 : D9 C0 BD E2 C0 BD E2 C0  6C
C068 : 2C 21 D0 18 90 E3 A9 C8  BC
C070 : 8D 16 D0 A9 15 8D 18 D0  31
C078 : AD F8 C0 29 07 A8 88 30  2F
C080 : 09 98 09 C0 8D F8 C0 4C  6C
C088 : D3 C0 A9 C7 8D F8 C0 A0  03
C090 : 00 B9 01 04 99 00 04 B9  4B
C098 : 29 04 99 28 04 C8 C0 27  07
C0A0 : D0 EF AD 00 C1 C9 FF D0  DF
C0A8 : 0C A9 00 8D A3 C0 A9 C1  A5
C0B0 : 8D A4 C0 D0 ED 0D F7 C0  82
C0B8 : 8D 27 04 18 69 80 8D 4F  4C
C0C0 : 04 AD F7 C0 49 40 8D F7  6D
C0C8 : C0 D0 08 EE A3 C0 D0 03  5A
C0D0 : EE A4 C0 EE 19 D0 4C 81  6B
C0D8 : EA EA EA EA EA EA EA EA  D7
C0E0 : EA 60 06 0E 03 00 0B 0C  B2
C0E8 : 0F 07 07 0F 0C 0B 00 03  3E
C0F0 : 0E 06 00 00 00 00 00 40  82
C0F8 : C4 00 00 00 00 00 40 C2  43
C100 : 2A 2A 2A 2A 20 0D 05 12  B2
C108 : 08 01 02 01 20 03 0F 0D  A2
C110 : 0D 0F 04 0F 12 05 20 0D  6C
C118 : 05 12 01 0B 0C 09 0C 01  03
C120 : 12 09 20 2A 2A 2A 2A 20  E1
C128 : 20 20 20 20 20 20 20 20  28
C130 : 02 15 20 01 19 0B 09 20  33
C138 : 10 12 0F 07 12 01 0D 09  66
C140 : 0E 09 1A 09 20 0D 01 13  0F
C148 : 14 05 12 20 19 01 1A 04  72
C150 : 09 2C 20 10 12 09 0E 03  21
C158 : 05 20 12 05 0E 0B 0C 05  06
C160 : 0E 04 09 12 04 09 2E 20  77
C168 : 0B 01 12 01 0B 14 05 12  22
C170 : 20 13 05 14 09 0E 09 20  43
C178 : 07 05 0E 05 20 02 05 0E  68
C180 : 20 1B 10 12 09 0E 03 05  8B
C188 : 1D 20 08 01 1A 09 12 0C  22
C190 : 01 04 09 0D 2E 2E 2E 20  C5
C198 : 10 12 0F 07 12 01 0D 0C  CC
C1A0 : 01 12 20 08 01 0B 0B 09  5A
C1A8 : 0E 04 01 0B 09 20 0D 05  2A
C1B0 : 12 01 0B 20 16 05 20 13  3A
C1B8 : 0F 12 15 0C 01 12 09 0E  78
C1C0 : 09 1A 09 2C 20 09 13 14  5D
C1C8 : 05 0B 0C 05 12 09 0E 09  AA
C1D0 : 1A 09 20 0D 01 13 14 05  1C
```

```
C1D8 : 12 27 01 20 1B 16 05 04  41
C1E0 : 01 14 20 08 01 0C 0C 01  97
C1E8 : 03 1D 20 09 0C 05 14 0D  F6
C1F0 : 05 0E 09 1A 09 20 02 05  26
C1F8 : 0B 0C 09 19 0F 12 15 1A  79
C200 : 2E 20 0D 05 0B 14 15 10  E8
C208 : 0C 01 12 09 0E 09 1A 09  DE
C210 : 20 03 0F 0D 0D 0F 04 0F  8F
C218 : 12 05 20 04 05 12 07 09  45
C220 : 13 09 0E 09 0E 20 01 04  4B
C228 : 12 05 13 09 0E 05 20 10  4D
C230 : 0F 13 14 01 0C 01 0D 01  ED
C238 : 0E 09 1A 20 19 05 14 05  6A
C240 : 12 0C 09 20 0F 0C 01 03  FA
C248 : 01 0B 14 09 12 2E 20 01  0A
C250 : 19 12 09 03 01 20 02 09  40
C258 : 07 20 05 04 09 14 20 09  F5
C260 : 0C 05 20 19 01 10 01 03  B5
C268 : 01 07 09 0E 09 1A 20 0B  E9
C270 : 01 12 01 0B 14 05 12 20  0E
C278 : 13 05 14 0C 05 12 09 0E  B6
C280 : 09 1A 09 20 04 05 20 02  CA
C288 : 05 0B 0C 09 19 0F 12 15  B4
C290 : 1A 2E 20 09 0C 07 09 0E  24
C298 : 09 1A 05 20 14 05 13 05  B3
C2A0 : 0B 0B 15 12 0C 05 12 2E  46
C2A8 : 20 10 15 06 20 0E 0F 0B  9B
C2B0 : 14 01 0C 01 12 09 20 02  56
C2B8 : 0F 0C 15 0D 15 0E 04 05  90
C2C0 : 20 13 09 1A 0C 05 12 05  2B
C2C8 : 20 01 04 09 0D 20 01 04  69
C2D0 : 09 0D 20 04 05 0D 0F 20  1E
C2D8 : 19 01 20 04 01 20 09 0E  4C
C2E0 : 14 12 0F 20 19 01 10 0D  B9
C2E8 : 01 19 09 20 07 0F 13 14  1A
C2F0 : 05 12 05 03 05 07 09 1A  81
C2F8 : 2E 20 05 07 05 12 20 02  BE
C300 : 09 1A 05 20 07 05 12 05  47
C308 : 0B 20 0B 01 0C 0D 01 04  3C
C310 : 01 0E 20 02 09 12 13 05  D8
C318 : 19 0C 05 12 20 19 01 10  AA
C320 : 01 02 09 0C 09 19 0F 12  A0
C328 : 13 01 0E 09 1A 20 10 12  68
C330 : 09 0E 03 05 20 19 01 20  B1
C338 : 04 01 20 0D 01 13 14 05  6A
C340 : 12 20 01 04 09 0E 01 20  69
C348 : 01 19 0E 09 20 01 04 12  B9
C350 : 05 13 05 20 10 12 0F 07  00
C358 : 12 01 0D 20 0F 12 0E 05  F6
C360 : 0B 0C 05 12 09 0E 09 1A  4E
C368 : 09 20 07 0F 0E 04 05 12  5E
C370 : 09 0E 2A 2A 2A 20 02 01  FE
C378 : 13 01 12 09 0C 09 20 03  41
C380 : 01 0C 09 13 0D 01 0C 01  37
C388 : 12 20 04 09 0C 05 07 09  E4
C390 : 19 0C 05 20 2B 2B 2B 20  EE
C398 : 20 20 2D 10 12 09 0E 03  BD
C3A0 : 05 20 13 09 07 0E 13 20  09
C3A8 : 0F 06 06 2D 20 20 20 20  A5
C3B0 : 20 20 20 20 20 20 20 20  B0
C3B8 : 20 20 20 20 20 20 20 FF  78
```

# GENİŞLEME

OZANSER UĞURLU

Genişleme, arkadaşlarınızla beraber zevkle oynayacağınız bir zeka oyunu. Genişleme, iki kişilik oynanmasının yanında tek kişilikte oynanabiliyor. Ayrıca bilgisayarın kendi kendine oynamasını da seyredebilirsiniz.

Genişlemenin oynandığı yer 8x8'lik kare alanı. Amacınız karşı tarafın bütün sayılarını kendi elinize geçirmek, bunu yapabilmek için sayılarınızı rakibinizin sayılarının yanında patlatmanız gerekli, böylece o sayı hem sizin olur. Hem de durumuna göre artar ya da patlar.

Oyun kolay görünmesine rağmen zordur, bütün kareler paylaşılınca etraf karışır. Oyunu tam kazanacakken karşı tarafın bir hamlesi ile oyunu kaybedebilirsiniz.

Her karenin bir patlama sınırı vardır, o karedeki sayı patlama sınırını aşınca patlar ve dört bir yana dağılır. Eğer dağıldığı yerde sayı yoksa o kare sizin olur veya karede sizin bir sayınız bulunuyorsa sayınız bir artar.

Başlarken oynayanlar sırayla hamle yaparlar; ister karelere birer sayı koyarlar isterlerse bir kareye koyduğu sayıyı arttırır ve patlatır. Oyunun kazanmanın sırrı rakibinize uzak oynamaktır.

Oyunun başında zorluk derecesi sorular 0'dan 9'a kadar bir zorluk derecesi seçebilirsiniz. Zorluk derecesinin tek farkı oynama süresinin azaltılmasıdır. 0 ile 9 arasında bilgisayarınızın size hamle yapmak için verdiği süre çok farklıdır.

Genişlemeyi üşenmeden yazmanızı tavsiye ederim. Sonuçta arkadaşlarınızla zevkle oynayabileceğiniz kendi yazdığınız güzel bir oyununuz olacaktır.

Başarılar.

```
PROGRAM ADI : GENISLEME

00001 REM  ******GENISLEME******                              <094>
00002 A=1E9:E=TI:D=60:DEF FNR(X)=INT(RND(
      1)*X+1):N=RND(-TI):POKE 53280,1:POK
      E 53281,1                                               <060>
00003 PRINT "<CLR><2DOWN><CTRL-7><3RIGHT>
      <CTRL-H><9DOWN>GENISLEME (C)COPYRIG
      HT 1990 C.C.S";CHR$(142)                                <088>
00004 FOR N=0 TO 777:NEXT :POKE 53270,200
                                                              <131>
00005 DATA 2,3,3,3,3,2,"<15DOWN>","<11RIG
      HT>":N=RND(-TI)                                         <100>
00006 DIM W%(6,6),B%(6,6),O%(6,6),P%(6,6)
      ,A$(2),V(2),K(2),H(2)                                   <175>
00007 FOR N=1 TO 6:READ W%(N,1):W%(N,6)=W
      %(N,1):FOR J=2 TO 5:W%(N,J)=W%(N,1)
      +1                                                      <102>
00008 NEXT :NEXT :READ D$,C$                                  <255>
00009 PRINT "<CLR>GENISLEMEYE HOS GELDINI
      Z...<DOWN>"                                             <140>
00010 PRINT "<DOWN>ACIKLAMA ISTERMISINIZ
      ? ";:V1$="E":V2$="H":V=0:GOSUB 70:P
      RINT                                                    <196>
00011 IF A$<>"H" AND A$<>"E" THEN PRINT "
      <UP>";:GOTO 10                                          <255>
00012 IF A$="E" THEN GOSUB 100                                <063>
00013 PRINT "<DOWN>YAZANLAR:OZGUR KARTER
      & OZANSER UGURLU"                                       <065>
00014 FOR  X=1  TO  1000:NEXT                                 <049>
00015 PRINT "<DOWN>OYUNCU SAYISI(0-1-2)?"
      ;:V1$="0":V2$="2":GOSUB 70:PRINT :G
      =VAL(A$)                                                <157>
00016 IF G<2 THEN A$(2)="C64":IF G<1 THEN
       A$(1)="COBRA":GOTO 21                                  <036>
00017 OPEN 1,0:FOR N=1 TO G                                   <062>
00018 POKE 197,0:PRINT "<DOWN>ADIN NE OYU
      NCU"N" ? ";:INPUT#1,A$(N):L=0                           <008>
00019 PRINT :A$(N)=LEFT$(A$(N),15):PRINT
      "<DOWN>ZORLUK DERECESI 0-9? ";:V2$=
      "9":GOSUB 70                                            <007>
00020 PRINT :H(N)=22-(VAL(A$)+1)*2:NEXT :
      CLOSE 1                                                 <148>
00021 PRINT "<CTRL-6><CLR>":IF RND(1)>.5
      THEN I=-1:GOSUB 51:FOR K=2 TO 2:GOT
      O 23                                                    <185>
00022 GOSUB 51:FOR K=1 TO 2                                   <139>
```

```
00023 S$="S":IF RIGHT$(A$(K),1)="S" THEN
      S$="":                                    <033>
00024 FOR N=33528-31744 TO 33648-31744:PO
      KE N,32:NEXT                              <197>
00025 L=L+1:S=1-(K=1)                           <146>
00026 A=H(K):V=(L>2)                            <174>
00027 PRINT "<CTRL-5>"A$(K)" OYNUYOR!<CTR
      L-6>":IF K=2 AND G<2 THEN 125             <056>
00028 IF K=1 AND G<1 THEN 125                   <136>
00029 PRINT "YATAY ";                           <143>
00030 V1$="1":V2$="6":E=TI:GOSUB 70:Y=VAL
      (A$):IF C THEN PRINT                      <147>
00031 IF C=0 THEN 34                            <078>
00032 PRINT "<RVSON>ZAMAN BITTI!!!<3UP>"        <034>
00033 NEXT :FOR K=1 TO 2:GOTO 23                <134>
00034 IF Y=0 THEN PRINT :GOTO 40                <158>
00035 PRINT "<2RIGHT> DUSEY ? ";:V1$="A":
      V2$="F":GOSUB 70:PRINT :IF C THEN 3
      1                                         <147>
00036 X=ASC(A$)-64:IF X=-44GOTO 40              <225>
00037 IF O%(Y,X)=K OR B%(Y,X)=0GOTO 41          <071>
00038 PRINT "<CTRL-3><RVSON>HATALI OYNAMA
       <RVSOFF>BASKASININ YERINE SULANMA<
      UP><CTRL-6>"                              <017>
00039 FOR Q=100 TO 128:NEXT                     <174>
00040 FOR N=33568-31744 TO 33607-31744:PO
      KE N,32:NEXT :PRINT "<3UP>":GOTO 27
                                                <086>
00041 B%(Y,X)=B%(Y,X)+1:O%(Y,X)=K:F=1:GOS
      UB 51:F=0:IF B%(Y,X)=1 THEN K(K)=K(
      K)+1                                      <083>
00042 Z=1:IF B%(Y,X)=W%(Y,X) THEN GOSUB 8
      3                                         <243>
00043 IF Z THEN NEXT :FOR K=1 TO 2:GOTO 2
      3                                         <244>
00044 FOR N=33528-31744 TO 33647-31744:PO
      KE N,32:NEXT :PRINT A$(K)" <CTRL-7>
      KAZANDI!!!!<CTRL-6><DOWN>"                <072>
00045 FOR N=1 TO 20:FOR Q=50 TO 150 STEP
      3:NEXT                                    <093>
00046 FOR Q=150 TO 50 STEP -3:NEXT :NEXT
                                                <189>
00047 V(K)=V(K)+1:GOSUB 51:I=(K=2):V=0          <036>
00048 IF G THEN PRINT "<DOWN>TEKRAR ?";:V
      1$="E":V2$="H":GOSUB 70:IF A$<>"E"
      THEN 161                                  <171>
00049 FOR N=1 TO 6:FOR J=1 TO 6:B%(N,J)=0
      :O%(N,J)=0:NEXT :NEXT :PRINT "<CLR>
      ":K(1)=0:K(2)=0                           <154>
00050 L=0:I=NOT I:GOSUB 51:FOR K=1-I TO 2
      :GOTO 23                                  <157>
00051 PRINT "<HOME>"TAB(13)"<CTRL-7><RVSO
      N>* GENISLEME *<CTRL-6><2DOWN>":PRI
      NT "<CTRL-3> A B C D E F<CTRL-6>"         <024>
00052 PRINT "U=R=R=R=R=I":IF F=0 THEN F
      OR N=1 TO 6:GOTO 55                       <217>
00053 IF Y>2 THEN FOR N=1 TO Y-2:PRINT "<
      DOWN>":NEXT                               <171>
00054 FOR N=-(Y<2)-(Y-1)*(Y>1) TO -(Y+1)*
      (Y<5)-6*(Y>4)                             <177>
00055 PRINT "=";:IF F=0 THEN FOR J=1 TO 6
      :GOTO 58                                  <032>
00056 IF X>2 THEN FOR J=1 TO X-2:PRINT "<
      2RIGHT>";:NEXT                            <254>
00057 FOR J=-(X<2)-(X-1)*(X>1) TO -(X+1)*
      (X<5)-6*(X>4)                             <230>
00058 IF B%(N,J)=0 THEN PRINT " ";:GOTO 6
      1                                         <064>
00059 IF O%(N,J)=2 THEN PRINT "<RVSON>";        <176>
00060 PRINT RIGHT$(STR$(B%(N,J)),1)"<RVSO
      FF><CTRL-6>";                             <255>
00061 PRINT "<CTRL-6>=";:NEXT :IF F THEN
      PRINT :GOTO 68                            <168>
00062 PRINT "<CTRL-3>"N;"<CTRL-6>";:IF IO
       THEN PRINT :GOTO 68                      <159>
00063 IF N=2 THEN PRINT "<3SPACE>"A$(1):G
      OTO 68                                    <117>
00064 IF N=3 THEN PRINT " PUAN ="V(N/3):G
      OTO 68                                    <038>
00065 IF N=6 THEN PRINT " PUAN ="V(N/3):G
      OTO 69                                    <136>
00066 IF N=5 THEN PRINT "<3SPACE><RVSON>"
      A$(2):GOTO 68                             <141>
00067 PRINT                                     <169>
00068 IF N<6 THEN PRINT "@=+=+=+=+=+=+=+=+=+=R":N
      EXT :PRINT "<HOME>"D$"<3DOWN>":RETU
      RN                                        <056>
00069 PRINT "J=E=E=E=E=E=E=E=E=K<2DOWN>":RETURN
                                                <255>
00070 A$="":POKE 197,0:C=0                      <031>
00071 PRINT "<LEFT>";:T=0                       <045>
00072 IF TI-E>A+D AND V THEN C=1:RETURN         <211>
00073 GET A$:T=T+1:IF A$="" AND T<20GOTO
      73                                        <004>
00074 IF A$<>"" THEN GOSUB 80:IF Z THEN R
      ETURN                                     <060>
00075 PRINT " <LEFT>";:T=0                      <067>
00076 IF TI-E>A+D AND V THEN C=1:RETURN         <215>
00077 GET A$:T=T+1:IF A$="" AND T<20GOTO
      77                                        <016>
00078 IF A$<>"" THEN GOSUB 80:IF Z THEN R
      ETURN                                     <064>
00079 GOTO 71                                   <065>
00080 Z=0:IF A$>=V1$ AND A$<=V2$ THEN PRI
      NT A$;:Z=1                                <047>
00081 IF ASC(A$)=20 THEN Z=1                    <086>
00082 RETURN                                    <140>
00083 FOR Y=1 TO 6:FOR X=1 TO 6:IF B%(Y,X
      )<W%(Y,X) THEN NEXT :NEXT :RETURN         <250>
00084 FOR Q=1 TO 222:NEXT Q:PRINT "<HOME>
      <CTRL-1>"LEFT$(D$,3+Y*2)LEFT$(C$,2*
      X-1)"*<UP><2LEFT>MBN<DOWN><3LEFT>=<
      RIGHT>=<DOWN><3LEFT>NBM<CTRL-6>           <105>
00085 FOR Q=1 TO 333:NEXT                       <141>
00086 IF Y>1 THEN Q=Y-1:B%(Q,X)=B%(Q,X)+1
      :U=X:GOSUB 157                            <189>
00087 IF X>1 THEN U=X-1:B%(Y,U)=B%(Y,U)+1
      :Q=Y:GOSUB 157                            <174>
00088 IF Y<6 THEN Q=Y+1:B%(Q,X)=B%(Q,X)+1
      :U=X:GOSUB 157                            <123>
00089 IF X<6 THEN U=X+1:B%(Y,U)=B%(Y,U)+1
      :Q=Y:GOSUB 157                            <108>
00090 B%(Y,X)=B%(Y,X)-W%(Y,X):O%(Y,X)=K         <160>
00091 IF B%(Y,X)=0 THEN O%(Y,X)=0:K(K)=K(
      K)-1                                      <245>
00092 F=1:GOSUB 51:F=0                          <183>
00093 Z=1:IF (K(1)+K(2))>1) AND (K(1)=0 OR
       K(2)=0) THEN Z=0:RETURN                  <227>
00094 GOTO 83                                   <120>
00095 POKE 197,0:PRINT "<HOME>"D$"<4DOWN>
      <CTRL-7><RVSON> DEVAM EDECEKMISINIZ
      ?(E/H)?"                                  <211>
00096 GET A$:IF A$="E" THEN  99                 <054>
00097 IF  A$="H" THEN  PRINT "<CLR>":GOTO
       13                                       <043>
00098 GOTO  96                                  <180>
00099 PRINT "<CLR>":RETURN                      <044>
00100 I0=1:PRINT "<CLR>":B$=C$+"<5RIGHT>"
                                                <160>
00101 PRINT "<CTRL-7><2SPACE>GENISLEMENIN
       ACIKLAMASI!"                             <187>
00102 PRINT "<DOWN>BU OYUNU 6X6'LIK BIR A
      LAN UZERINDE                              <207>
00103 PRINT "1 VEYA 2 KISI ILE ";:PRINT "
      OYNAYABILIRSINIZ!                         <069>
00104 PRINT "ISTERSENIZ BILGISAYARIN OYNA
      MASINIDA SEYREDEBILIRSINIZ.":GOSUB
       95                                       <026>
00105 PRINT "<CTRL-7>REKLAMLAR: BIR OMO A
      LANA 1 OYUN BEDAVA"                       <195>
00106 PRINT "OYUN LISTEMIZ:STYX-RIVER RAI
      D-COMMANDO<2SPACE>KANE II -THE LAST
       V8-PACMAN-";                             <094>
00107 PRINT "DEFENDER OF THE CROWN 2 - TH
      E LAST NINJA 3                            <193>
00108 GOSUB  95:PRINT B$"<3DOWN>OYUN SEKI
      LDE GORULDUGU                             <094>
00109 PRINT B$"GIBI OYNANIR"                    <148>
00110 FOR N=1 TO 6:FOR J=1 TO 6:O%(N,J)=0
      :B%(N,J)=0:NEXT :NEXT :O%(2,1)=1:O%
      (4,3)=2                                   <030>
00111 B%(2,1)=2:B%(4,3)=3:GOSUB 51:GOSUB
      95                                        <088>
00112 FOR N=1 TO 6:FOR K=1 TO 6:B%(N,K)=W
      %(N,K)-1:O%(N,K)=1:NEXT :NEXT :GOSU
      B 51                                      <070>
00113 PRINT "<HOME><2DOWN><CTRL-7><DOWN>"
      B$"GORDUGUNUZ KARELER<2SPACE>":PRIN
```

```
      T B$"UZERINDEKI"                                    <013>
00114 PRINT B$"SAYILAR O KARELERIN":PRINT
       B$"PATLAMA SINIRIDIR"                              <058>
00115 PRINT B$"BIR ARTTIGI":PRINT B$"ANDA
       O KAREDEKI SAYI":PRINT B$"PATLAR"                  <033>
00116 GOSUB 95                                            <198>
00124 FOR N=1 TO 6:FOR K=1 TO 6:B%(N,K)=0
      :O%(N,K)=0:NEXT :NEXT :I0=0:RETURN                  <253>
00125 Q=0:U=Q:FOR N=1 TO 6:FOR J=1 TO 6                   <080>
00126 P%(N,J)=0:IF O%(N,J)=K AND B%(N,J)=
      W%(N,J)-1 THEN P%(N,J)=1:Q=Q+1                      <137>
00127 IF O%(N,J)<>S THEN U=U+1                            <099>
00128 NEXT :NEXT :IF Q=0GOTO 142                          <158>
00129 FOR N=1 TO 6:FOR J=1 TO 6:IF P%(N,J
      )=0GOTO 137                                         <067>
00130 Q=J:FOR P=N-1 TO 1 STEP -1:GOSUB 15
      5:IF B%(P,J)<>W%(P,J)-1 THEN P=1                    <233>
00131 NEXT :IF N>5 THEN FOR P=1 TO 1:GOTO
       133                                                <197>
00132 FOR P=N+1 TO 6:GOSUB 155:IF B%(P,J)
      <>W%(P,J)-1 THEN P=6                                <030>
00133 NEXT :P=N:FOR Q=J TO 1 STEP -1:GOSU
      B 155:IF B%(N,Q)<>W%(N,Q)-1 THEN Q=
      1                                                   <235>
00134 NEXT :IF J>5GOTO 137                                <216>
00135 FOR Q=J+1 TO 6:GOSUB 155:IF B%(N,Q)
      <>W%(N,Q)-1 THEN Q=6                                <233>
00136 NEXT                                                <146>
00137 NEXT :NEXT                                          <140>
00138 M=0:FOR P=1 TO 6:FOR Q=1 TO 6                       <206>
00139 IF P%(P,Q)>M THEN M=P%(P,Q):N=P:J=Q
                                                          <009>
00140 NEXT :NEXT :IF Q<>1 OR ((N=1 OR N=6
      ) AND (J=1 OR J=6) AND FNR(2)=1) TH
      EN 154                                              <100>
00141 IF Q=1 AND P%(N,J)>50 THEN 154                      <182>
00142 B=0:IF FNR(3)=1 OR U>33GOTO 145                     <029>
00143 FOR P=1 TO 6:FOR Q=1 TO 6:IF O%(P,Q
      )=K THEN N=P:J=Q:P=6:Q=6                            <057>
00144 NEXT :NEXT :GOTO 146                                <116>
00145 N=FNR(6):J=FNR(6):IF O%(N,J)=5GOTO
      145                                                 <246>
00146 R=0:FOR P=N-1 TO N-(N<6):IF O%(P,J)
      <>5GOTO 148                                         <138>
00147 IF B%(P,J)=W%(P,J)-1 THEN R=1                       <208>
00148 NEXT :FOR Q=J-1 TO J-(J<6):IF O%(N,
      Q)<>5GOTO 150                                       <016>
00149 IF B%(N,Q)=W%(N,Q)-1 THEN R=1                       <218>
00150 NEXT :IF R THEN B=B+1:IF B<UGOTO 14
      5                                                   <131>
00151 GOTO 154                                            <031>
00152 FOR P=1 TO 6:FOR Q=1 TO 6:IF O%(P,Q
      )<>S THEN N=P:J=Q:P=6:Q=6                           <093>
00153 NEXT :NEXT                                          <156>
00154 PRINT "<CTRL-7>OYNADIGIM YER:<CTRL-
      6> "N"<LEFT>, "CHR$(J+64):X=J:Y=N:G
      OTO 41                                              <186>
00155 P%(N,J)=P%(N,J)+1:IF O%(P,Q)=S THEN
       P%(N,J)=P%(N,J)+50                                 <208>
00156 RETURN                                              <214>
00157 IF O%(Q,U)=S THEN K(S)=K(S)-1                       <127>
00158 IF O%(Q,U)<>K THEN K(K)=K(K)+1                      <019>
00159 O%(Q,U)=K:RETURN                                    <218>
00160 END                                                 <162>
00161 PRINT "<CLR><C=1>S.P"                               <000>
00162 PRINT "<DOWN><CTRL-3>PROGRAMI YAZAN
      LAR:"                                               <129>
00163 PRINT "<DOWN><CTRL-6>OZGUR KARTER &
       OZANSER UGURLU"                                    <110>
00164 PRINT "<DOWN><CTRL-1>CIKMAKTA KARAR
      LIMISINIZ(E/H)?"                                    <176>
00165 GET  A$:IF  A$="E" THEN  168                        <048>
00166 IF  A$="H" THEN  RUN                                <189>
00167 GOTO  165                                           <095>
00168 PRINT "IYI GUNLER..."                               <205>
00169 PRINT "--------------"                              <229>
00170 FOR  K=2048  TO  2052:POKE  K,0:NEX
      T                                                   <185>
00171 REM  ********************                          <165>
00172 REM  *OZGUR KARTER:      *                          <060>
00173 REM  *-------------      *                          <017>
00174 REM  *1679 SOKAK NO 26   *                          <219>
00175 REM  *KAT:2 DAIRE:3      *                          <115>
00176 REM  *AKYOL APARTMANI    *                          <252>
00177 REM  *KARSIYAKA/IZMIR    *                          <164>
00178 REM  *TEL(9-51)110996    *                          <053>
00179 REM  ********************                          <173>
00180 REM  *OZANSER UGURLU:    *                          <018>
00181 REM  *-----------------  *                          <036>
00182 REM  *1675 SOKAK NO 163  *                          <217>
00183 REM  *KAT:3 DAIRE:6      *                          <254>
00184 REM  *KARSIYAKA/IZMIR    *                          <171>
00185 REM  *TEL(9-51)655503    *                          <061>
00186 REM  ********************                          <180>
00187 REM  *BU PROGRAM AGUSTOS*                           <112>
00188 REM  *1990'DA YAZILDI...*                           <102>
00189 REM  ********************                          <183>
00190 REM  ***COBRA          ***                          <206>
00191 REM  ***    CRACKING    ***                          <001>
00192 REM  ***        SERVICE***                           <033>
00193 REM  ********************                          <187>
```

# ENGLISH 64

MESUT GAZİ

Bu program İngilizce'de dört ana zamanı öğretmek amacıyla hazırlanmıştır. Programın başında "+" ve "-" tuşlarıyla ders seçimi yapılabiliyor ve de küçük bir testle bilgileriniz ölçülüyor. Programın sonunda ise size beğeneceğinizi umduğumuz bir müzikle veda ediyoruz. Herkese başarılar dilerim.

```
PROGRAM ADI : ENGLISH 64

 00010 PRINT "{CLR}"                                    {254}
 00015 PRINT CHR$(142)                                  {170}
 00020 POKE 53280,0:POKE 53281,0:POKE 646.
       7                                                {102}
 00022 D=0                                              {191}
 00024 D=D+1                                            {163}
 00025 IF  D>4 THEN  D=4                                {047}
 00026 IF  D<0 OR D=0    THEN  D=1                      {028}
 00030 PRINT "{CLR} {4DOWN}{11RIGHT}"D".DE
       RS"                                              {123}
 00040 PRINT "{3DOWN}{RVSON}{9SPACE}+,- IL
       E DERS AYARLAYIN{9SPACE}{RVSOFF}"                {113}
 00042 PRINT "{2DOWN}{4RIGHT}TEST ICIN {RV
       SON}T{RVSOFF} TUSUNA BASIN"                      {206}
 00045 PRINT "{3DOWN}{11RIGHT}RETURNA BASI
       N"                                               {098}
 00050 GET  A$:IF  A$="" THEN  50                       {027}
 00060 IF  A$="+" THEN 24                               {003}
 00070 IF  A$="-" THEN  D=D-1:GOTO   25                 {046}
 00075 IF  A$=CHR$(84) THEN  5000                       {030}
 00080 IF  A$=CHR$(13) THEN  80                         {054}
 00085 GOTO  50                                         {038}
 00090 POKE 54276,0:POKE 54277,0:POKE 5427
       8,0                                              {083}
 00100 POKE 54296,15:POKE 54277,64:POKE 54
       278,128                                          {169}
 00110 POKE 54276,17                                    {080}
 00113 FOR  N=1 TO  20                                  {164}
 00115 POKE 54273,17:POKE 54272,37                      {064}
 00118 NEXT                                             {128}
 00120 POKE 54276,0:POKE 54277,0:POKE 5427
       8,0                                              {093}
 00121 PRINT CHR$(14):PRINT CHR$(8)                     {219}
 00122 IF  D=1 THEN 130                                 {047}
 00123 IF  D=2 THEN 471                                 {216}
 00124 IF  D=3 THEN  735                                {126}
 00125 IF  D=4  THEN  1237                              {115}
 00130 PRINT "{CLR}"                                    {118}
 00140 PRINT "{RVSON}1.DERS{RVSOFF}"                    {227}
 00150 PRINT "000000"                                   {234}
 00155 PRINT "{2DOWN}{8RIGHT}THE PRESENT C
       ONTINUOUS TENSE"                                 {167}
 00160 PRINT CHR$(14):PRINT CHR$(8)                     {002}
 00170 PRINT "{SIMDIKI ZAMAN)'I BELIRLEYEN
        FIIL KALIBI VE ZAMAN ZARFI:"                    {173}
 00180 PRINT "{2DOWN}{2RIGHT}...AM"                     {151}
 00190 PRINT "{2DOWN}{2RIGHT}...IS{3RIGHT}
       V1+ING.....{3RIGHT}NOW"                          {200}
 00200 PRINT "{2DOWN}{2RIGHT}...ARE{2RIGHT
       }"                                               {087}
 00210 PRINT "{2DOWN}{RVSON}{3SPACE}SAYFA
       CEVIRMEK ICIN F1 TUSNA BASIN{3SPACE
       }{RVSOFF}"                                       {161}
 00220 GET  A$:IF  A$="" THEN  220                      {253}
 00225 IF  A$=CHR$(133) THEN  250                       {135}
 00230 GOTO 220                                         {198}
 00250 PRINT "{CLR}{DOWN}{2RIGHT}POSITIVE
       FORM:                                            {005}
 00270 PRINT "{DOWN}{8RIGHT}I{2RIGHT}AM"                {005}
 00275 PRINT "**********"                               {170}
 00280 PRINT "{DOWN}{7RIGHT}HE"                         {129}
 00290 PRINT "{DOWN}{WATCH}SHE{2RIGHT}IS{2
       SPACE}WATCHING TV NOW"                           {065}
 00300 PRINT "{DOWN}{7RIGHT}IT"                         {135}
 00305 PRINT "**********"                               {200}
 00310 PRINT "{DOWN}{7RIGHT}WE"                         {144}
 00320 PRINT "{DOWN}{6RIGHT}YOU{2RIGHT}ARE
       "                                                {085}
 00330 PRINT "{DOWN}{5RIGHT}THEY"                       {061}
 00340 PRINT "{DOWN}{5RIGHT}NOTE:I AM WATC
       HING TV NOW."                                    {030}
 00350 PRINT "{BEN SIMDI TELEVIZYON IZLIYO
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      RUM.)                                          (033)
00360 PRINT "(DOWN)(RVSON)(3SPACE)SAYFA C
      EVIRMEK ICIN F1 TUSNA BASIN(3SPACE)
      (RVSOFF)"                                      (126)
00370 GET  A$:IF  A$="" THEN  370                    (246)
00375 IF  A$=CHR$(133) THEN 400                      (030)
00380 GOTO 370                                       (182)
00400 PRINT "(CLR)(DOWN)(2RIGHT)NEGATIVE
      FORM:"                                         (091)
00405 PRINT "(DOWN)(7RIGHT)I(2RIGHT)AM(RI
      GHT)NOT"                                       (051)
00406 PRINT "*****************"                     (091)
00407 PRINT "(DOWN)(7RIGHT)HE(2SPACE)"               (000)
00410 PRINT "(DOWN)(6RIGHT)SHE(2RIGHT)ISN
      'T(2RIGHT)WATCHING TV NOW."                    (220)
00412 PRINT "(DOWN)(7RIGHT)IT"                       (247)
00414 PRINT "*****************"                     (099)
00415 PRINT "(DOWN)(7RIGHT)WE"                       (249)
00417 PRINT "(DOWN)(6RIGHT)YOU(2RIGHT)ARE
      N'T"                                           (155)
00420 PRINT "(DOWN)(5RIGHT)THEY"                     (151)
00422 PRINT "(DOWN)(5RIGHT)NOTE:HE ISN'T
      WATCHING TV NOW."                              (133)
00425 PRINT "(O SIMDI TELEVIZYON IZLEMIYO
      R.)"                                           (236)
00427 PRINT "(DOWN)(RVSON)(3SPACE)SAYFA C
      EVIRMEK ICIN F1 TUSNA BASIN(3SPACE)
      (RVSOFF)"                                      (193)
00430 GET  A$:IF  A$="" THEN  430                    (081)
00432 IF  A$=CHR$(133) THEN 440                      (088)
00434 GOTO 430                                       (180)
00440 PRINT "(CLR)(DOWN)(2RIGHT)QUESTIONS
       FORM:"                                        (196)
00442 PRINT "(DOWN)(7RIGHT)AM(2RIGHT)I"              (014)
00444 PRINT "***************"                       (176)
00445 PRINT "(DOWN.      HT)HE"                      (021)
00447 ;     "(DOWN)(7RIGHT)IS(2RIGHT)SHE(
      2RIGHT)WATCHING TV(2SPACE)NOW?"                (138)
00450 PRINT "(DOWN)(11RIGHT)IT"                      (057)
00451 PRINT "***************"                       (183)
00452 PRINT "(DOWN)(11RIGHT)WE"                      (043)
00455 PRINT "(DOWN)(6RIGHT)ARE(2RIGHT)YOU
      "                                              (157)
00457 PRINT "(DOWN)(11RIGHT)THEY"                    (172)
00460 PRINT "(DOWN)(5RIGHT)NOTE:ARE YOU W
      ATCHING TV NOW?"                               (149)
00462 PRINT "(SEN SIMDI TELEVIZYON IZLIYO
      R MUSUN?)"                                     (058)
00465 PRINT "(DOWN)(RVSON)(3SPACE)BASA DO
      NMEK ICIN F1 TUSNA BASIN(8SPACE)(RV
      SOFF)"                                         (050)
00467 GET  A$:IF  A$="" THEN  467                    (186)
00468 IF  A$=CHR$(133) THEN  10                      (003)
00469 GOTO  467                                      (231)
00470 PRINT CHR$(142):PRINT CHR$(14)                 (212)
00471 PRINT "(CLR)"                                  (205)
00472 PRINT "(RVSON)2.DERS(RVSOFF)"                  (001)
00475 PRINT "000000"                                 (049)
00477 PRINT "(2DOWN)(7RIGHT)THE FUTURE TE
      NSE:"                                          (139)
00480 PRINT "(GELECEK ZAMAN)'I BELIRLEYEN
       FIIL KALIBI VE ZAMAN ZARFLARI:"               (239)
00481 PRINT "(2DOWN)(3RIGHT)...AM(20RIGHT
      )SOON"                                         (241)
00482 PRINT "(2DOWN)(3RIGHT)...IS(3RIGHT)
      GOING TO(3RIGHT)V1...TOMORROW"                 (057)
00483 PRINT "(2DOWN)(3RIGHT)...ARE(18RIGH
      T)NEXT WEEK"                                   (124)
00485 PRINT "**********************"                (048)
00486 PRINT "(-ECEK)(18RIGHT)THIS AFTERNO
      ON"                                            (195)
00489 PRINT "(DOWN)(RVSON)(3SPACE)SAYFA C
      EVIRMEK ICIN F1 TUSNA BASIN(3SPACE)
      (RVSOFF)"                                      (255)
00490 GET  A$:IF  A$="" THEN 490                     (015)
00491 IF  A$=CHR$(133) THEN 493                      (085)
00492 GOTO  490                                      (078)
00493 PRINT "(CLR)(DOWN)(7RIGHT)POSITIVE
      FORM:"                                         (201)
00494 PRINT "(DOWN)(6RIGHT)I(3RIGHT)AM"              (245)
00495 PRINT "*****************"                     (134)
00496 PRINT "(DOWN)(6RIGHT)HE "                      (151)
00497 PRINT "(DOWN)(BUY)(RIGHT)SHE(RIGHT)
      IS(RIGHT)GOING TO BUY ATV TOMORROW.
      "                                              (041)
00498 PRINT "(DOWN)(6RIGHT)(IT)(2SPACE)"             (121)
00499 PRINT "*****************"                     (138)
00500 PRINT "(DOWN)(6RIGHT)WE"                       (019)
00502 PRINT "(DOWN)(6RIGHT)YOU(2RIGHT)ARE
      (3SPACE)"                                      (011)
00505 PRINT "(DOWN)(6RIGHT)THEY "                    (251)
00510 PRINT "(2RIGHT)NOTE:I AM GOING TO B
      UY A TV TOMORROW."                             (172)
00520 PRINT "(2RIGHT)(BEN YARIN BIR TELEV
      IZYON SATIN ALACAGIM.)                         (123)
00530 PRINT "(DOWN)(RVSON)(3SPACE)SAYFA C
      EVIRMEK ICIN F1 TUSNA BASIN(3SPACE)
      (RVSOFF)"                                      (042)
00531 GET  A$:IF  A$="" THEN  531                    (088)
00532 IF  A$=CHR$(133) THEN 534                      (159)
00533 GOTO  531                                      (065)
00534 PRINT "(CLR)(2RIGHT)NEGATIVE FORM:"            (066)
00535 PRINT "(DOWN)(6RIGHT)I(2RIGHT)AM NO
      T"                                             (236)
00537 PRINT "*****************"                     (178)
00550 PRINT "(DOWN)(6RIGHT)HE"                       (207)
00555 PRINT "(DOWN)(BUY)(RIGHT)SHE(2RIGHT
      )ISN'T(3RIGHT)GOING(RIGHT)TO BUY A
      RADIO "                                        (013)
00560 PRINT "(6RIGHT)(IT)(8RIGHT)(UP)(12R
      IGHT)TOMORROW."                                (111)
00570 PRINT "(DOWN)*******************"               (027)
00580 PRINT "(DOWN)(6RIGHT)WE"                       (101)
00590 PRINT "(DOWN)(6RIGHT)YOU(2RIGHT)ARE
      N'T"                                           (074)
00600 PRINT "(DOWN)(6RIGHT)THEY                      (075)
00620 PRINT "(2RIGHT)NOTE:HE ISN'T GOIN T
      O BUY A RADIO TOMORROW."                       (067)
00621 PRINT "(2RIGHT)(O YARIN BIR RADYO S
      ATIN ALMAYACAK.)"                              (032)
00630 PRINT "(DOWN)(RVSON)(3SPACE)SAYFA C
      EVIRMEK ICIN F1 TUSNA BASIN(3SPACE)
      (RVSOFF)"                                      (142)
00631 GET  A$:IF  A$="" THEN 631                     (220)
00632 IF  A$=CHR$(133) THEN 634                      (035)
00633 GOTO  631                                      (173)
00634 PRINT "(CLR)(4RIGHT)QUESTIONS FORM:
      "                                              (144)
00635 PRINT "(DOWN)(6RIGHT)AM(2RIGHT)I"              (024)
00636 PRINT "I;***********"                          (173)
00637 PRINT "(DOWN)(10RIGHT)HE"                      (156)
00650 PRINT "(DOWN)(BUY)(RIGHT)IS(RIGHT)S
      HE(RIGHT)GOING TO BUT A TV TOMORROW
      ?"                                             (127)
00655 PRINT "(DOWN)(9RIGHT)(IT)"                     (150)
00660 PRINT "*****************"                     (183)
00670 PRINT "(DOWN)(10RIGHT)WE"                      (068)
00680 PRINT "(DOWN)(6RIGHT)ARE(RIGHT)YOU"            (194)
00690 PRINT "(DOWN)(10RIGHT)THEY"                    (150)
00700 PRINT "(2RIGHT)NOTE:ARE THEY GOING
      TO BUY A TV TOMORROW?"                         (076)
00720 PRINT "(2RIGHT)(ONLAR YARIN BIR TV
      SATIN ALACAK MI?)"                             (076)
00730 PRINT "(DOWN)(RVSON)(6SPACE)BASA DO
      NMEK ICIN F1 TUSNA BASIN(3SPACE)(RV
      SOFF)"                                         (061)
00732 GET  A$:IF  A$="" THEN 732                     (226)
00733 IF  A$=CHR$(133) THEN 10                       (014)
00734 GOTO  732                                      (058)
00735 PRINT "(CLR)(RVSON)3.DERS(RVSOFF)"             (214)
00737 PRINT "000000"                                 (057)
00750 PRINT "(DOWN)(3RIGHT)THE PRESENT PE
      RFECT TENSE:"                                  (239)
00755 PRINT "(DOWN)(4RIGHT)A**************
      *****S"                                        (168)
00760 PRINT "(4RIGHT)=(18SPACE)="                    (220)
00765 PRINT "(4RIGHT)=...HAVE CLEANED...=
      "                                              (198)
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00770 PRINT "(4RIGHT)=....HAS CLEANED...=
      "                                    (206)
00775 PRINT "(4RIGHT)=(18SPACE)="          (237)
00780 PRINT "(4RIGHT)Z********************X
      "                                    (014)
00790 PRINT "(2DOWN)(2RIGHT)NOTE:FIILDEN
      ONCE HAVE YADA HAS GELIR,SONRA-ED T
      AKISI ALIR"                          (127)
00800 PRINT "(6DOWN)(RVSON)(3SPACE)SAYFA
      CEVIRMEK ICIN F1 TUSA BASIN(4SPACE)
      (RVSOFF)"                            (018)
00810 GET  A$:IF  A$="" THEN  810          (210)
00812 IF  A$=CHR$(133) THEN 820            (216)
00815 GOTO  810                            (053)
00820 PRINT "(CLR)(3RIGHT)POSITIVE FORM:"  (010)
00832 PRINT "(DOWN)(3RIGHT)I"              (083)
00834 PRINT "(3RIGHT)WE(2SPACE)"           (174)
00835 PRINT "(3RIGHT)YOU(3RIGHT)HAVE FINI
      SHED THE HOMEWORK."                  (066)
00837 PRINT "(3RIGHT)THEY"                 (239)
00850 PRINT "(3RIGHT)THE GIRLS"            (128)
00855 PRINT "**********************"       (166)
00860 PRINT "(3RIGHT)HE"                   (065)
00870 PRINT "(3RIGHT)SHE(3RIGHT)HAS FINIS
      HED THE HOMEWORK."                   (219)
00880 PRINT "(3RIGHT)(IT)"                 (098)
00890 PRINT "(3RIGHT)ALI"                  (104)
00900 PRINT "(3RIGHT)AYSE"                 (129)
00910 PRINT "(3RIGHT)THE GIRL"             (095)
00920 PRINT "(6DOWN)(RVSON)(3SPACE)SAYFA
      CEVIRMEK ICIN F1 TUSNA BASIN(3SPACE
      )(RVSOFF)"                           (079)
00922 GET  A$:IF  A$="" THEN  922          (163)
00925 IF  A$=CHR$(133) THEN 935            (043)
00934 GOTO 922                             (004)
00935 PRINT "(CLR)(DOWN)(3RIGHT)NEGATIVE
      FORM:"                               (186)
00937 PRINT "(DOWN)(3RIGHT)I"              (188)
00950 PRINT "(3RIGHT)WE"                   (034)
00955 PRINT "(3RIGHT)YOU(3RIGHT)HAVE'T FI
      NISHED THE HOMEWORK"                 (229)
00960 PRINT "(3RIGHT)THEY(3RIGHT)(HAVE NO
      T)"                                  (048)
00970 PRINT "(3RIGHT)TEH GIRLS"            (251)
00980 PRINT "**********************"       (178)
00990 PRINT "(3RIGHT)HE"                   (195)
01010 PRINT "(3RIGHT)SHE(3RIGHT)HASN'T FI
      NISHED THE HOMEWORK"                 (121)
01020 PRINT "(3RIGHT)(IT)(3RIGHT)(HAS NOT
      )"                                   (243)
01032 PRINT "(3RIGHT)ALI"                  (072)
01034 PRINT "(3RIGHT)AYSE"                 (009)
01035 PRINT "(3RIGHT)THE GIRL"             (222)
01037 PRINT "(5DOWN)(RVSON)(3SPACE)SAYFA
      CEVIRMEK ICIN F1 TUSNA BASIN(3SPACE
      )(RVSOFF)"                           (025)
01050 GET  A$:IF  A$="" THEN 1050          (085)
01051 IF  A$=CHR$(133) THEN 1055           (031)
01052 GOTO  1050                           (136)
01055 PRINT "(CLR)(DOWN)(3RIGHT)QUESTIONS
       FORM:"                              (184)
01060 PRINT "(DOWN)(5RIGHT)I"              (187)
01070 PRINT "(5RIGHT)WE"                   (231)
01080 PRINT "HAVE(RIGHT)YOU"               (114)
01090 PRINT "(5RIGHT)THEY"                 (243)
01100 PRINT "(5RIGHT)THE GIRLS"            (018)
01110 PRINT "**********************FINISHED TH
      E HOMEWORK?"                         (057)
01120 PRINT "(5RIGHT)HE"                   (251)
01132 PRINT "HAS(2RIGHT)SHE"               (041)
01134 PRINT "(5RIGHT)(IT)"                 (064)
01135 PRINT "(5RIGHT)ALI"                  (115)
01137 PRINT "(5RIGHT)AYSE"                 (111)
01150 PRINT "(5RIGHT)THE GIRL"             (207)
01155 PRINT "(5DOWN)(RVSON)(3SPACE)SAYFA
      CEVIRMEK ICIN F1 TUSNA BASIN(3SPACE
      )(RVSOFF)"                           (143)
01160 GET  A$:IF  A$="" THEN  1160         (132)
01162 IF  A$=CHR$(133) THEN 1170           (202)
01165 GOTO  1160                           (041)
01170 PRINT "(CLR)(DOWN)(3RIGHT)NOTE:HAVE
       VE HAS DAHA COK KONUSMA SIRASINDA
      KISALTILARAK SOYLENIR."              (033)
01180 PRINT "(DOWN)(3RIGHT)ORNEK:"         (125)
01190 PRINT "(DOWN)(3RIGHT)I.I HAVE CLEAN
      ED THE TABLE."                       (226)
01200 PRINT "(DOWN)(4RIGHT)I'VE CLEANED T
      HE TABLE."                           (074)
01210 PRINT "(2DOWN)(3RIGHT)2.HE HAS TURN
      ED ON THE LIGHTS."                   (235)
01220 PRINT "(DOWN)(4RIGHT)HE'S TURNED ON
       THE LIGHTS."                        (017)
01232 PRINT "(5DOWN)(RVSON)(4SPACE)BASA D
      ONMEK ICIN F1 TUSNA BASIN(3SPACE)(R
      VSOFF)"                              (116)
01234 GET  A$:IF  A$="" THEN  1234         (144)
01235 IF  A$=CHR$(133) THEN 10             (008)
01237 PRINT "(CLR)(RVSON)4.DERS(RVSOFF)"   (017)
01250 PRINT "UUUUUU"                       (062)
01255 PRINT "(DOWN)(3RIGHT)THE SIMPLE PRE
      SENT TENSE:"                         (191)
01256 PRINT "(2DOWN)(13RIGHT)TURKCEDEKI G
      ENIS ZAMANIN TAM KARSILIGIDIR."      (118)
01260 PRINT "(DOWN)(5RIGHT)A**************
      *********S"                         (181)
01265 PRINT "(5RIGHT)=(RVSON)(21SPACE)(RV
      SOFF)="                              (142)
01270 PRINT "(5RIGHT)=........DO+V1......
      ..="                                 (241)
01280 PRINT "(5RIGHT)=(RVSON)(21SPACE)(RV
      SOFF)="                              (159)
01290 PRINT "(5RIGHT)=.......DOES+V1.....
      ..="                                 (247)
01295 PRINT "(5RIGHT)=(RVSON)(21SPACE)(RV
      SOFF)="                              (174)
01300 PRINT "(5RIGHT)Z********************
      **X"                                 (175)
01310 PRINT "(DOWN)(11RIGHT)YARDIMCI FIIL
      ERIYLE YAPILIR."                     (118)
01320 PRINT "(4DOWN)(RVSON)(3SPACE)SAYFA
      CEVIRMEK ICIN F1 TUSNA BASIN(3SPACE
      )(RVSOFF)"                           (095)
01322 GET  A$:IF  A$="" THEN 1322          (168)
01330 IF  A$=CHR$(133) THEN 1334           (246)
01332 GOTO  1322                           (242)
01334 PRINT "(CLR)(3RIGHT)POSITIVE FORM:"  (016)
01335 PRINT "(8RIGHT)I"                    (148)
01337 PRINT "(8RIGHT)YOU"                  (154)
01350 PRINT "(8RIGHT)....."                (126)
01355 PRINT "(8RIGHT)....."                (131)
01360 PRINT "(8RIGHT).....A******S"        (123)
01370 PRINT "(SPEAK)(RIGHT)WE(3RIGHT)=SPE
      AK= ENGLISH."                        (094)
01380 PRINT "(8RIGHT)YOU(2RIGHT)Z******X"  (023)
01390 PRINT "(8RIGHT)THEY"                 (068)
01400 PRINT "(8RIGHT)TEACHERS"             (170)
01410 PRINT "**********************"       (100)
01420 PRINT "(8RIGHT)HE"                   (189)
01430 PRINT "(8RIGHT)SHE(2RIGHT)A******S"  (132)
01450 PRINT "(SPEAK)(RIGHT)(IT)(RIGHT)=SP
      EAK= ENGLISH."                       (016)
01500 PRINT "(2RIGHT)MY TEACHER Z******X"  (248)
01550 PRINT "(DOWN)(3RIGHT)ALWAYS:HER ZAM
      AN,DAIMA"                            (185)
01600 PRINT "(3RIGHT)NEVER:HICBIR ZAMAN,A
      SLA"                                 (190)
01650 PRINT "(7RIGHT)BUNLAR FIILLERDEN HE
      MEN ONCE KULLANILIR."                (085)
01700 PRINT "(DOWN)(RVSON)(3SPACE)SAYFA C
      EVIRMEK ICIN F1 TUSNA BASIN(3SPACE)
      (RVSOFF)"                            (196)
01750 GET  A$:IF  A$="" THEN  1750         (214)
01760 IF  A$=CHR$(133) THEN 1800           (099)
01780 GOTO  1750                           (212)
01800 PRINT "(CLR)(3RIGHT)NEGATIVE FORM:"  (096)
01850 PRINT "(8RIGHT)I"                    (155)
01900 PRINT "(8RIGHT)YOU"                  (209)
01910 PRINT "(8RIGHT)....."                (178)
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01920 PRINT "<8RIGHT>....."                                    <188>
01930 PRINT "<8RIGHT>.....<3RIGHT>Ä******5
      "                                                        <215>
01940 PRINT "<SPEAK><RIGHT>WE<RIGHT>DON'T
      =SPEAK= GERMAN."                                         <021>
01950 PRINT "<8RIGHT>YOU<5RIGHT>Z******X"                      <253>
02000 PRINT "<8RIGHT>THEY"                                     <190>
02050 PRINT "<8RIGHT>DOCTORS"                                  <253>
02060 PRINT "**********"                                       <244>
02070 PRINT "<8RIGHT>HE"                                       <077>
02080 PRINT "<8RIGHT>SHE<8RIGHT>Ä******5"                      <133>
02100 PRINT "<SPEAK><RIGHT><IT>DOSEN'T=SP
      EAK= GERMAN."                                            <181>
02110 PRINT "<8RIGHT>OZLEM<6RIGHT>Z******X
      "                                                        <190>
02120 PRINT "<DOWN>NOTE:OLUMLU CUMLEYI OL
      UMSUZ YAPARKEN FIILDEN ONCE"                             <125>
02130 PRINT "<10RIGHT><UP>DON'T YARDIMCI
      FIILI KULANILIR"                                         <010>
02150 PRINT "<2DOWN><RVSON><3SPACE>SAYFA
      CEVIRMEK ICIN F1 TUSNA BASIN<3SPACE
      ><RVSOFF>"                                               <069>
02160 GET  A$:IF  A$="" THEN 2160                              <148>
02163 IF  A$=CHR$(133) THEN 2170                               <219>
02165 GOTO 2160                                                <033>
02170 PRINT "<CLR><3RIGHT>QUESTIONS FORM:
      "                                                        <021>
02180 PRINT "<DOWN><8RIGHT>I"                                  <217>
02190 PRINT "<8RIGHT>YOU"                                      <245>
02200 PRINT "<8RIGHT>....."                                    <214>
02210 PRINT "<8RIGHT>....."                                    <224>
02220 PRINT "<2RIGHT>DO<4RIGHT>WE<5RIGHT>
      SPEAK ENGLISH?"                                          <060>
02230 PRINT "<8RIGHT>YOU"                                      <029>
02240 PRINT "<8RIGHT>THEY"                                     <176>
02250 PRINT "<8RIGHT>DOCTORS"                                  <197>
02260 PRINT "**********"                                       <003>
02270 PRINT "<8RIGHT>HE"                                       <021>
02280 PRINT "<8RIGHT>SHE"                                      <011>
02290 PRINT "<2RIGHT>DOES<2RIGHT><IT><3RI
      GHT>SPEAK ENGLISH?"                                      <120>
02300 PRINT "<8RIGHT>ALI"                                      <127>
02310 PRINT "<8RIGHT>AYSE"                                     <098>
03220 PRINT "<DOWN><2RIGHT>NOTE:OLUMLU CU
      MLEYI SORU YAPMAK ICIN CUMLENIN BAS
      INA DO VE DOES "                                         <254>
03230 PRINT "<26RIGHT><UP>YARDIMCI FIILLE
      RI GETIRILIR."                                           <069>
03240 PRINT "<2DOWN><RVSON><3SPACE>SAYFA
      CEVIRMEK ICIN F1 TUSNA BASIN<3SPACE
      ><RVSOFF>"                                               <143>
03250 GET  A$:IF  A$="" THEN 3250                              <189>
03252 IF  A$=CHR$(133) THEN 3260                               <004>
03255 GOTO  3250                                               <099>
03260 PRINT "<CLR><2DOWN><3RIGHT>THE SIMP
      LE PRESENT TENSE'IN SORU SEK-LI:"                        <117>
03270 PRINT "<3DOWN><4RIGHT>Ä**********
      ******5"                                                 <134>
03280 PRINT "<4RIGHT>=<RIGHT>DO.....VI...
      .?<3SPACE>="                                             <148>
03290 PRINT "<4RIGHT>=<RIGHT>DOES......VI
      ....?="                                                  <042>
03300 PRINT "<4RIGHT>Z******************X
      "                                                        <248>
03310 PRINT "<10RIGHT>YARDIMCI FIILLERIYL
      E YAPILIR."                                              <188>
03320 PRINT  "<3DOWN><3RIGHT>DON'T=<DO NOT
      >'IN KISA SEKLI,"                                        <093>
03330 PRINT "<DOWN><3RIGHT>DOESN'T=<DOES
      NOT>'IN KISA SEKLIDIR."                                  <014>
03340 PRINT "<2DOWN><RVSON><4SPACE>BASA D
      ONMEK ICIN F1 TUSNA BASIN<5SPACE><R
      VSOFF>"                                                  <136>
03350 GET  A$:IF  A$="" THEN 3350                              <099>
03355 IF  A$=CHR$(133) THEN 10                                 <098>
03360 GOTO  3350                                               <222>
05000 PRINT "<CLR>A TEST ON ENGLISH ELEMA
      NTARY 1 "                                                <188>
05010 PRINT "<3DOWN><2RIGHT>INGILIZCE ORT
      A 1'DE OGRENDIGINIZ BILGILERI OLCEN
       BIR TESTTIR."                                           <214>
05020 PRINT "<2DOWN><RIGHT>BU TESTTEN 6 P
      UAN ALANLARIN ORTA2'YI RAHATCA BASA
      RACAKLARI UMULUR"                                        <057>
05030 POKE 646,1                                               <135>
05040 PRINT "<DOWN><7RIGHT>ACIKLAMA:"                          <240>
05050 PRINT "<DOWN><3RIGHT>HER SORU 1 PUA
      NDIR.(10*1=10PUAN)10 SORU ICIN 8 DA
      KIKA VERILMISTIR                                         <086>
05052 PRINT "<7DOWN><RVSON><9SPACE>F3 TUS
      UNA BASIN<13SPACE><RVSOFF>"                              <231>
05055 GET  A$:IF  A$="" THEN  5055                             <157>
05057 IF  A$=CHR$(134) THEN 5060                               <227>
05058 GOTO 5055                                                <173>
05060 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                                      <214>
05070 PRINT CHR$(14):PRINT CHR$(8)                             <086>
05080 PRINT "<3DOWN><4RIGHT>1.I@@@@@GOT@@@
      @UMBRELLA."                                              <252>
05090 PRINT "<2DOWN><4RIGHT>A-HAVE/AN<3SP
      ACE>B-HAVE/A<5SPACE>"                                    <058>
05100 PRINT "<2DOWN><4RIGHT>C-HAS/AN<4SPA
      CE>D-HAS/A"                                              <184>
05110 GET  A$:IF  A$="" THEN  5110                             <013>
05120 IF  A$="A" THEN  5190                                    <135>
05130 IF  A$="B" OR  A$="C" OR A$="D"  T
      HEN  5180                                                <248>
05140 GOTO  5110                                               <080>
05180 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                                        <002>
05183 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (A)IDI."                                             <136>
05185 FOR  X=1 TO 950 :NEXT                                    <216>
05186 GOTO  5200                                               <110>
05188 G=0                                                      <033>
05190 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                                                  <216>
05193 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (A)IDI."                                              <016>
05195 FOR  X=1 TO  950:NEXT  X                                 <103>
05196 GOTO  5200                                               <120>
05200 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                                      <100>
05280 PRINT "<3DOWN><2RIGHT>2.-WHAT@@@@YO
      UR NAME?-@@@@NAME IS MEH-MET"                            <106>
05290 PRINT "<2DOWN><4RIGHT>A-IS/YOUR<3SP
      ACE>B-ARE/YOUR"                                          <064>
05300 PRINT "<2DOWN><4RIGHT>C-IS/MY<5SPAC
      E>D-ARE/MY                                               <205>
05310 GET  A$:IF  A$="" THEN  5310                             <087>
05320 IF  A$="C" THEN  5390                                    <096>
05330 IF  A$="B" OR  A$="A" OR A$="D"  T
      HEN  5380                                                <068>
05340 GOTO  5310                                               <056>
05380 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                                        <204>
05383 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (C)IDI."                                             <098>
05385 FOR  X=1 TO 950 :NEXT                                    <162>
05386 GOTO  5400                                               <088>
05390 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      " :G=G+1                                                 <162>
05393 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (C)IDI."                                              <226>
05395 FOR  X=1 TO  950:NEXT  X                                 <048>
05396 GOTO  5400                                               <098>
05400 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                                      <046>
05480 PRINT "<2DOWN><4RIGHT>3.-IS THERE@@@
      @@MONEY IN YOUR POCKET?"                                 <117>
05490 PRINT "<2DOWN><6RIGHT>-YES,THERE@@@
      @MONEY IN MY POCET."                                     <102>
05495 PRINT "<2DOWN><4RIGHT>A-SOME/SOME<4
      SPACE>B-ANY/ANY"                                         <088>
```

```
05500 PRINT "<2DOWN><4RIGHT>C-SOME/ANY<5S
      PACE>D-ANY/SOME"                    <155>
05510 GET  A$:IF  A$="" THEN 5510         <162>
05520 IF  A$="D" THEN 5590                <187>
05530 IF  A$="A" OR  A$="B" OR  A$="C" TH
      EN 5580                             <177>
05540 GOTO  5510                          <034>
05580 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                   <148>
05583 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (D)IDI."                        <050>
05585 FOR  X=1 TO 950:NEXT  X             <239>
05586 GOTO  5600                          <064>
05590 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                             <106>
05593 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (D)IDI."                         <174>
05595 FOR  X=1 TO 950:NEXT X              <249>
05596 GOTO  5600                          <074>
05600 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                 <246>
05680 PRINT "<3DOWN><4RIGHT>4.-CAN YOU SP
      EAK FRENCH?-@@@@<-)"                <022>
05690 PRINT "<2DOWN><4RIGHT>A-YES,I CAN<2
      SPACE>B-YES,YOU CAN"                <056>
05700 PRINT "<2DOWN><4RIGHT>C-NO,I CAN'T<
      RIGHT>D-NO,YOU CAN'T"               <176>
05710 GET  A$:IF  A$="" THEN  5710        <236>
05720 IF  A$="C" THEN  5790               <020>
05730 IF  A$="A" OR  A$="B" OR A$="D"  T
      HEN  5780                           <159>
05740 GOTO  5710                          <012>
05780 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                   <094>
05783 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (C)IDI."                        <244>
05785 FOR  X=1 TO 750 :NEXT               <051>
05786 GOTO  5800                          <042>
05790 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                             <052>
05793 PRINT  "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (C)IDI."                         <116>
05795 FOR  X=1 TO  950:NEXT  X            <195>
05796 GOTO  5800                          <052>
05800 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                 <192>
05880 PRINT "<3DOWN><2RIGHT>5.THEY@@@@<ST
      UDY>MATHEMATICS TOMORROW."          <082>
05890 PRINT "<2DOWN><1RIGHT>A-ARE STUDYIN
      G<7SPACE>B-IS STUDYING"             <089>
05900 PRINT "<2DOWN><4RIGHT>C-ARE GOING T
      O STUDY D-IS GOING TO "             <056>
05905 PRINT "<DOWN><33RIGHT>STUDY"        <171>
05910 GET  A$:IF  A$="" THEN  5910        <055>
05920 IF  A$="C" THEN  5990               <101>
05930 IF  A$="A" OR  A$="B" OR A$="D"  T
      HEN  5980                           <109>
05940 GOTO  5910                          <246>
05980 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                   <040>
05983 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (C)IDI."                        <190>
05985 FOR  X=1 TO 950 :NEXT               <254>
05986 GOTO  6000                          <124>
05990 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                             <254>
05993 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (C)IDI."                         <062>
05995 FOR  X=1 TO  950:NEXT  X            <141>
05996 GOTO  6000                          <134>
06000 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                 <138>
06080 PRINT "<3DOWN><4RIGHT>6.-WHERE ARE
      THE COWS?-THEY ARE@@@@."            <006>
06090 PRINT "<2DOWN><4RIGHT>A-IN THE CLAS
      SROOM B-ON THE TREE"                <251>
06100 PRINT "<2DOWN><4RIGHT>C-IN THE FIEL
      D<5SPACE>D-UNDER THE TABLE"         <095>
06110 GET  A$:IF  A$="" THEN  6110        <029>
06120 IF  A$="C" THEN  6190               <122>
06130 IF  A$="A" OR  A$="B" OR A$="D"  T
      HEN  6180                           <038>
06140 GOTO  6110                          <070>
06180 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                   <242>
06183 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (C)IDI."                        <136>
06185 FOR  X=1 TO 950 :NEXT               <200>
06186 GOTO  6200                          <102>
06190 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                             <200>
06193 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (C)IDI."                         <008>
06195 FOR  X=1 TO  950:NEXT  X            <087>
06196 GOTO  6200                          <112>
06200 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                 <084>
06280 PRINT "<2DOWN><4RIGHT>7.THIS@@@@ @@
      @@EAR.THESE@@@@EYES."               <080>
06285 PRINT "<2DOWN><4RIGHT>A-IS A/ARE<5S
      PACE>B-IS AN/IS"                    <248>
06300 PRINT "<2DOWN><4RIGHT>C-IS AN/ARE<4
      SPACE>D-IS A/IS"                    <021>
06310 GET  A$:IF  A$= "" THEN 6310        <103>
06320 IF  A$="C" THEN 6390                <084>
06330 IF  A$="A" OR  A$="B" OR  A$="D" TH
      EN 6380                             <244>
06340 GOTO  6310                          <048>
06380 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                   <186>
06383 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (C)IDI."                        <080>
06385 FOR  X=1 TO 350:NEXT  X             <021>
06386 GOTO  6400                          <078>
06390 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                             <144>
06393 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (C)IDI."                         <208>
06395 FOR  X=1 TO 950:NEXT X              <031>
06396 GOTO  6400                          <088>
06400 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                 <030>
06480 PRINT "<2DOWN><4RIGHT>8.TOM IS IN B
      ED.HE ISN'T SLEEPING@@@@."          <116>
06495 PRINT "<2DOWN><4RIGHT>A-STILL<8SPAC
      E>B-TOO "                           <151>
06500 PRINT "<2DOWN><4RIGHT>C-EITHER<7SPA
      CE>D-YET "                          <094>
06510 GET  A$:IF  A$="" THEN 6510         <178>
06520 IF  A$="D" THEN 6590                <175>
06530 IF  A$="A" OR  A$="B" OR  A$="C" TH
      EN 6580                             <162>
06540 GOTO  6510                          <026>
06580 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                   <132>
06583 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (D)IDI."                        <034>
06585 FOR  X=1 TO 950:NEXT  X             <223>
06586 GOTO  6600                          <056>
06590 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                             <090>
06593 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (D)IDI."                         <158>
06595 FOR  X=1 TO 950:NEXT X              <233>
06596 GOTO  6600                          <066>
06600 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                 <230>
06680 PRINT "<2DOWN><4RIGHT>9.THESE ARE P
      EN<IS>."                            <115>
06695 PRINT "<2DOWN><4RIGHT>A-THESE IS PE
      NS<RIGHT>B-THIS IS PENS"            <003>
06700 PRINT "<2DOWN><4RIGHT>C-THIS IS PEN
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      <2SPACE><RIGHT>D-THIS<RIGHT>IS A PE
      N."                                    (178)
06710 GET  A$:IF  a$ "" THEN 6710            (252)
06720 IF  A$="D" THEN 6790                   (137)
06730 IF  A$="A" OR  A$="B" OR  A$="C" TH
      EN 6780                                (112)
06740 GOTO  6710                             (004)
06750 PRINT "<4DOWN><RIGHT>BILEMEDIN!...
      "                                      (078)
06765 PRINT "<DOWN><RIGHT>HAYIR,DOGRU CE
      VAP (D)IDI."                           (236)
06785 FOR  X=1 TO 950:NEXT  X                (169)
06786 GOTO  6800                             (034)
06790 PRINT "<4DOWN><RIGHT>TEBRIKLER!...
      ":G=G+1                                (036)
06793 PRINT  "<DOWN><RIGHT>EVET,DOGRU CEV
      AP (D)IDI."                            (104)
06795 FOR  X=1 TO 950:NEXT X                 (179)
06796 GOTO  6800                             (044)
06800 PRINT "<CLR><RVSON><5SPACE>GOLD KRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                    (176)
06880 PRINT "<2DOWN><4RIGHT>10.HER NAME I
      S ELIF.(KADIR)"                        (156)
06835 PRINT "<2DOWN><4RIGHT>A-HER NAME IS
      KADIR B-HIS NAME IS KADIR"             (064)
06900 PRINT "<2DOWN><4RIGHT>C-HER NAME IS
      ELIF<2SPACE>D-HIS NAME IS ELIF"        (144)
06910 GET  A$:IF  A$="" THEN 6910            (069)
06920 IF  A$="B" THEN 6990                   (098)
06930 IF  A$="A" OR  A$="D" OR  A$="C" TH
      EN 6980                                (191)
06940 GOTO  6910                             (238)
06980 PRINT "<4DOWN><5RIGHT>BILEMEDIN!...
      "                                      (024)
06983 PRINT "<DOWN><5RIGHT>HAYIR,DOGRU CE
      VAP (D)IDI."                           (182)
06985 FOR  X=1 TO 950:NEXT  X                (115)
06986 GOTO  7000                             (116)
06990 PRINT "<4DOWN><5RIGHT>TEBRIKLER!...
      ":G=G+1                                (238)
06993 PRINT "<DOWN><5RIGHT>EVET,DOGRU CEV
      AP (D)IDI."                            (050)
06995 FOR  X=1 TO 950:NEXT X                 (125)
06996 GOTO  7000                             (126)
07000 IF  G>4  THEN  9000                    (108)
07010 IF  G<5  THEN  8000                    (054)
08000 PRINT "<CLR>"                          (114)
08010 POKE 646,7:POKE 53281,0:POKE 53280,
      2                                      (130)
08020 PRINT "<CLR><RVSON><5SPACE>GOLD CRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                    (131)
08021 PRINT "<2DOWN><6RIGHT>SINAVI VEREME
      DIN "                                  (163)
08030 PRINT "<4DOWN><4RIGHT>F5-BASA DONUS
      "                                      (038)
08040 PRINT "<4DOWN><4RIGHT>F7-MORAL ICIN
      MUZIK"                                 (123)
08050 GET  A$:IF  A$="" THEN 8050            (196)
08060 IF  A$=CHR$(135) THEN 10               (239)
08070 IF  A$=CHR$(136) THEN  9500            (135)
08080 GOTO  8050                             (106)
09000 PRINT "<CLR>"                          (098)
09010 POKE 646,7:POKE 53281,0:POKE 53280,
      2                                      (114)
09020 PRINT "<CLR><RVSON><5SPACE>GOLD CRA
      CKING SERVICE PRESENT<6SPACE><RVSOF
      F>"                                    (115)
09021 PRINT "<2DOWN><6RIGHT>SINAVI VERDIN
      ."                                     (073)
09030 PRINT "<4DOWN><4RIGHT>F5-BASA DONUS
      "                                      (022)
09040 PRINT "<4DOWN><4RIGHT>F7-TEBRIK ICI
      N MUZIK"                               (191)
09050 GET  A$:IF  A$="" THEN 9050            (212)
09060 IF  A$=CHR$(135) THEN 10               (223)
09070 IF  A$=CHR$(136) THEN  9500            (113)
09080 GOTO  9050                             (099)
09100 PRINT "<CLR>" : POKE 53280,6:POKE 53
      281,6                                  (168)
09500 PRINT  "<4DOWN><10RIGHT>L.V.BETHOVEN
      "                                      (207)
09510 V=54296:H=54276:A=54277:HF=54273:LF
      =54272:L=54278 :PH=54275:PL=54274      (165)
09520 POKE V,15:POKE H,65:POKE PH,15:POKE
      PL,15:POKE A,190                       (021)
09530 READ  H                                (228)
09540 READ  L                                (014)
09550 READ D                                 (216)
09555 IF  H=-1 THEN 10                       (093)
09560 POKE HF,H:POKE LF,L                    (199)
09570 FOR  X=D-50 TO D-20:POKE S,136:NEXT
      X                                      (102)
09580 FOR  T=1 TO D:NEXT                     (057)
09590 POKE HF,0:POKE LF,0:POKE W,0           (123)
09600 GOTO 9520                              (034)
09610 DATA  51,97,125,51,97,125,57,172,12
      5,64,188,125                           (093)
09620 DATA  64,188,125,57,172,125,51,97,1
      25,45,198,125                          (055)
09630 DATA  43,52,125,43,52,125,45,198,12
      5,51,97,125                            (068)
09640 DATA 51,97,500,45,198,0,45,198,62,5
      1,97,125                               (190)
09650 DATA 51,97,125,57,172,125,64,188,12
      5,64,188,125                           (107)
09660 DATA  57,172,125,51,97,125,45,198,1
      25,43,52,125                           (237)
09670 DATA  43,52,125,45,198,125,51,97,12
      5,45,198,500                           (195)
09680 DATA  43,52,0,43,52,62,45,198,125,4
      5,198,125                              (187)
09690 DATA  51,97,125,43,52,125,45,198,12
      5,51,97,                               (130)
09700 DATA  57,172,,51,97,125,43,52,125,4
      5,198,125                              (205)
09710 DATA  51,97,,57,172,,51,97,125,45,1
      98,125                                 (253)
09720 DATA  43,52,125,45,198,125,38,125,1
      25,51,97,500                           (238)
09730 DATA  51,97,125,57,172,125,64,188,1
      25,64,188,125                          (189)
09740 DATA  57,172,125,51,97,125,45,198,1
      25,43,52,125                           (063)
09750 DATA  43,52,125,45,198,125,51,97,12
      5,45,198,500                           (021)
09760 DATA  43,52,,43,52,62,45,198,125,51
      ,97,                                   (148)
09765 DATA  57,172,,51,97,125,43,52,125,4
      5,198,125                              (016)
09770 DATA  51,97,,57,172,,51,97,125,45,1
      98,125                                 (059)
09780 DATA  43,52,125,45,198,125,36,126,1
      25,51,97,500                           (072)
09790 DATA  51,97,500,57,172,125,64,188,1
      25,64,188,125                          (209)
09800 DATA  57,172,125,51,97,125,45,198,1
      25,43,52,125                           (123)
09810 DATA  43,52,125,45,198,125,51,97,12
      5,45,198,500                           (081)
09820 DATA  43,52,,43,52,62                  (006)
09880 DATA  -1,-1,-1                         (032)
```

# LAST MÜZİK

ZEKİ KOÇAK

Bu program basic yükleyicisi şeklindedir. Programı yazmak için önce BDE'yı yükleyin daha sonra biraz uzunca olan bu programı yazıp, sonra da diskete ya da kasete kaydedin. Programı çalıştırınca önce ekrana açıklama metni çıkar, aralık tuşuna basınca datalar okunur ve hangi satırın okunduğu ekrana yazılır. Datalar bittiğinde müzik çalışmaya başlar. Bu programın iki özelliği vardır.

1. Müzik programı interput'lu olduğu için müzik çalarken yazabilir ve çalıştırabilirsiniz.

Not: Programınızın $4000-$4bb5 arasına dokunmamalı ve interput'u kesmemelidir.

2. Müzik çalarken müziğin ritmine uygun olarak her iki kenarda açılıp kapanan beyaz şerit programa ayrı bir renk katmaktadır.

Müziğin sesi POKE 16384,1 ile açılır.

```
PROGRAM ADI : LAST MUZIK

00000 GOSUB  500:PRINT   "<CLR><CTRL-2>":DI
      M  H(75):FOR  I=0  TO  9                <122>
00001 H(48+I)=I:H(65+I)=I+10:NEXT             <048>
00002 FOR  I= 16384  TO  19381 :READ  A$      <146>
00003 H=ASC(LEFT$(A$,1)):L=ASC(RIGHT$(A$,
      1))                                     <186>
00004 D=H(H)*16+H(L):S=S+D:POKE  I,D          <197>
00005 A=A+1:IF  A<20  THEN  NEXT :A=-1        <110>
00006 PRINT     "<HOME>"100+Z"<UP>TAMAM"      <081>
00007 READ  V:Z=Z+1:IF  V=S  THEN  9          <137>
00008 PRINT   "TOPLAMA HATASI! SATIR:"99+Z:
      STOP                                    <126>
00009 IF  A<0  THEN  POKE  16384,1:SYS 17
      915:END                                 <189>
00010 S=0:A=0:PRINT :NEXT :END                <073>
00100 DATA  AB,00,A2,00,20,12,40,A2,07,20
      ,12,40,A2,0E,20,12,40,60,AD,00,  128
      9                                       <180>
00101 DATA  40,D0,04,8D,18,D4,60,C9,AB,F0
      ,3F,9C,D3,40,A9,00,A0,17,99,00,  228
      0                                       <022>
00102 DATA  D4,88,10,FA,A9,0F,8D,18,D4,8D
      ,3F,46,A0,00,8C,B4,44,8C,B8,44,  239
      2                                       <106>
00103 DATA  8C,C2,44,8C,B6,44,8C,BD,44,8C
      ,C4,44,8C,BB,44,8C,92,44,8C,99,  258
      7                                       <046>
00104 DATA  44,8C,01,40,C8,8C,C9,44,8C,43
      ,46,4C,03,41,AD,01,40,F0,1C,CE,  201
      5                                       <190>
00105 DATA  40,46,10,17,AD,01,40,8D,40,46
      ,CE,3F,46,10,06,A9,00,8D,00,40,  142
      1                                       <066>
00106 DATA  60,AD,3F,46,8D,18,D4,8C,9E,44
      ,89,86,46,29,04,F0,16,BD,F5,44,  239
      1                                       <087>
00107 DATA  F0,08,DE,F5,44,89,C9,46,9D,04
      ,D4,D0,06,89,80,46,9D,04,D4,89,  277
      0                                       <011>
00108 DATA  86,46,29,10,F0,20,BD,F6,44,F0
      ,0F,DE,F6,44,A9,F0,9D,01,D4,A9,  277
      5                                       <147>
00109 DATA  81,9D,04,D4,D0,0C,BD,CF,44,9D
      ,01,D4,89,80,46,9D,04,D4,AD,C9,  266
      6                                       <105>
00110 DATA  44,D0,05,DE,B6,44,30,46,4C,E0
      ,42,AC,00,40,B9,59,47,8D,B2,44,  220
      7                                       <062>
00111 DATA  B9,5B,47,8D,B3,44,B9,5D,47,8D
      ,B9,44,B9,5F,47,8D,BA,44,B9,61,  250
      6                                       <186>
00112 DATA  47,8D,C0,44,B9,63,47,8D,C1,44
      ,B9,BF,47,8D,C7,44,4C,22,40,E0,  248
      2                                       <019>
00113 DATA  0E,D0,0B,CE,C9,44,10,06,AD,C7
      ,44,8D,C9,44,A9,AB,8D,00,40,60,  222
      1                                       <161>
00114 DATA  BD,B2,44,85,FC,BD,B3,44,85,FD
      ,BC,B4,44,B1,FC,A8,B9,0F,47,85,  307
      9                                       <191>
00115 DATA  FE,B9,34,47,85,FF,A9,FF,8D,CA
      ,44,A9,00,9D,88,44,8C,85,44,B1,  288
      7                                       <008>
00116 DATA  FE,D0,03,4C,E8,41,C9,FF,90,0A
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      ,FE,B4,44,A9,00,9D,B8,44,F0,CE,  2932  <074>
00117 DATA  C9,FE,90,0E,C8,FE,B8,44,B1,FE
      ,9D,F9,44,FE,B8,44,D0,D6,C9,FD,  3516  <127>
00118 DATA  90,0E,C8,FE,B8,44,B1,FE,4C,44
      ,46,FE,B8,44,D0,C4,C9,F8,90,20,  2957  <096>
00119 DATA  C9,F8,D0,18,A9,01,9D,B8,44,C8
      ,FE,B8,44,B1,FE,9D,9B,44,A9,00,  2856  <107>
00120 DATA  9D,B7,44,9D,B6,44,F0,D8,A9,02
      ,D0,E6,C9,FA,90,2F,C8,FE,B8,44,  3090  <036>
00121 DATA  B1,FE,0A,0A,0A,9D,9E,44,A8,B9
      ,7F,46,48,29,0F,9D,A1,44,9D,B0,  2241  <229>
00122 DATA  44,68,29,F0,9D,9F,44,9D,A0,44
      ,A9,00,9D,F7,44,9D,B6,44,9D,B7,  2514  <136>
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      ,44,B1,FE,9D,F7,44,4C,73,41,C9,  3099  <219>
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      ,41,18,7D,F9,44,9D,CE,44,BD,9D,  2490  <125>
00125 DATA  44,9D,B6,44,A9,00,9D,FB,44,A9
      ,01,9D,F5,44,9D,F6,44,BD,CE,44,  2694  <132>
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      ,F0,0C,BD,A0,44,9D,9F,44,BD,B0,  2531  <047>
00127 DATA  44,9D,A1,44,BD,CE,44,D0,13,BD
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      ,44,A8,B9,6A,45,9D,01,D4,9D,CD,  2880  <139>
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      ,9D,CC,44,9D,CB,44,BC,9E,44,B9,  2589  <043>
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00131 DATA  9D,02,D4,BD,A1,44,9D,03,D4,BD
      ,F7,44,9D,F8,44,B9,B0,46,2D,CA,  2768  <144>
00132 DATA  44,9D,04,D4,FE,B8,44,BC,B8,44
      ,B1,FE,C9,FF,D0,24,A9,00,9D,B8,  2893  <253>
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      ,FF,D0,07,A9,00,9D,B4,44,F0,0C,  2932  <135>
00134 DATA  C9,FE,D0,08,A9,6F,8D,01,40,FE
      ,B4,44,BD,E6,44,F0,27,BC,9E,44,  2839  <226>
00135 DATA  BD,B8,44,D0,0E,B9,CB,46,F0,0C
      ,9D,B8,44,B9,CA,46,9D,9B,44,4C,  2599  <223>
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      ,9D,B6,44,4C,03,41,B9,B3,46,BD,  2061  <048>
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      ,BD,9F,44,6D,C8,44,9D,9F,44,9D,  2576  <072>
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      ,9D,03,D4,18,C9,0E,90,25,FE,BC,  2309  <152>
00139 DATA  44,D0,20,BD,9F,44,38,ED,C8,44
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      ,43,B9,CB,45,8D,59,43,BD,D1,44,  2584  <198>
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00149 DATA  01,D4,DE,E3,44,D0,09,BD,E2,44
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      ,87,86,A2,DF,3E,C1,68,3C,39,63,  2611  <105>
00168 DATA  BE,48,0F,0C,45,8F,7D,83,D6,79
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      ,01,01,01,01,01,01,01,01,02,02,  1096  <210>
00170 DATA  02,02,02,02,02,03,03,03,03,03
      ,04,04,04,04,05,05,05,06,06,07,  75  <172>
00171 DATA  07,07,08,08,09,09,0A,0B,0B,0C
      ,0D,0E,0E,0F,10,11,12,13,15,16,  2611  <108>
00172 DATA  17,19,1A,1C,1D,1F,21,23,25,27
      ,2A,2C,2F,32,35,38,38,3E,43,47,  8581  <110>
00173 DATA  48,4F,54,59,5E,64,6A,70,77,7E
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00178 DATA  8D,12,D0,A9,1B,8D,11,D0,A9,01  ,8D,20,D0,20,02,40,CE,20,D0,4C,  2100 <209>
00179 DATA  31,EA,28,43,29,31,39,38,36,20  ,4D,41,54,54,20,47,52,41,59,0F,  1345 <202>
00180 DATA  00,00,05,01,48,29,0F,9D,B1,44  ,68,29,F0,4A,4A,4A,4A,9D,D0,44,  1650 <226>
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00192 DATA  5C,72,88,9E,49,49,49,49,49,49  ,49,49,49,49,49,49,49,49,49,4A,  1669 <068>
00193 DATA  4A,4A,4A,4A,4A,4A,4A,4A,4A,4A  ,4A,4A,4A,48,48,48,48,48,48,48,  1487 <045>
00194 DATA  48,00,C2,00,47,00,09,00,48,00  ,BA,00,48,A5,FC,48,A5,FD,48,B9,  1795 <087>
00195 DATA  CC,46,A8,B9,CF,45,85,FC,B9,D1  ,45,85,FD,BC,FB,44,B1,FC,10,16,  3111 <254>
00196 DATA  C9,FF,F0,32,9D,04,D4,C8,FE,FB  ,44,B1,FC,9D,01,D4,C8,FE,FB,44,  3464 <243>
00197 DATA  D0,20,9D,FA,44,C8,FE,FB,44,38  ,BD,CF,44,F1,FC,9D,CF,44,C8,FE,  3387 <150>
00198 DATA  FB,44,BD,FA,44,9D,04,D4,BD,CF  ,44,9D,01,D4,68,85,FD,68,85,FC,  3012 <203>
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00201 DATA  06,09,1F,15,1F,16,20,20,14,15  ,14,16,14,15,14,17,18,03,03,21,  413 <004>
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00215 DATA  0C,0F,0C,1E,0C,0F,0C,1D,0C,0F  ,0C,1E,13,0C,0F,0C,1E,FE,0C,0F,  575 <101>
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00217 DATA  7B,1C,73,FC,06,1C,7B,1E,73,FB  ,0A,1E,7F,1B,FF,FA,01,7B,13,73,  2028 <215>
00218 DATA  FB,05,13,7B,10,73,FC,03,10,7B  ,12,73,FB,05,12,7F,0F,FF,FA,02,  1979 <165>
00219 DATA  FD,30,70,36,00,3D,00,42,00,3D  ,00,36,00,3D,00,42,00,3D,00,FF,  1152 <133>
00220 DATA  7F,FA,05,00,FF,FA,02,FD,30,70  ,37,00,3E,00,43,00,3E,00,37,00,  1603 <155>
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00229 DATA  72,31,70,31,FA,07,71,33,FA,00
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Commodore

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00530 PRINT   "<UP><RIGHT>BIR INTERPUT'LI M
      UZIK PROGRAMIDIR....  "                    <194>
00540 PRINT   "<RIGHT>PRORAMI CALISTIRMAK I
      CIN POKE16384,1 VE  "                      <107>
00550 PRINT   "<UP><RIGHT>SYS 17915 KOMUTLA
      RINI VERINIZ MUZIK  "                      <004>
00560 PRINT   "<RIGHT>BITTIKTEN SONRA<2SPAC
      E>POKE 16384,1 SESINI  "                   <081>
00570 PRINT   "<RIGHT>ACABILIRSINIZ....  <056>
00580 PRINT   "<2DOWN><RVSON>CONTACT ME:  <074>
00590 PRINT   "<DOWN>GAZI MAH. 1261 SOK. NO
      :34 KUCUKKOY/IST,  "                       <075>
00600 B$=  "<HOME><20DOWN><RVSON><2SPACE>--
      - LUTFEN 'SPACE' TUSUNA BASIN ---<3
      SPACE><RVSOFF>  "                          <254>
00610 FOR  I=1  TO  15:POKE  646,I:PRINT
      B$;:NEXT  I:GET  A$:IF  A$<>  " "  TH
      EN  610                                    <121>
00620 PRINT   "<CTRL-2>":RETURN                  <080>
```

# AT YARIŞI

MURAT ERBAŞ

Eminim ki içinizde at yarışı meraklıları oldukça fazladır. Ben de bunu göz önüne alarak hepinizin işine yarayacak ve yarışlar hakkında detaylı bilgi depolamanızı sağlayacak bir programı sunuyorum. Bu program varış tarihi, mesafesi, pisti, zamanı, yarış sonucunu, jokey ve kilosunu, ganyanı ve yarış hakkındaki notlarınızı girmenizi ve bir diskette saklamanızı sağlar. Bunların yanında bir dizi yardımcı bölümler içerir. Programda gerekli açıklamalar bulunduğundan, bu konuda fazla zaman kaybetmeyeceğim. Programı BDE ile yazıp kaydettikten sonra çalıştırdığınızda ana menü ekrana gelecektir. Burada 'F1' den 'F7' ye kadar basacağınız tuşlara göre yapabileceğiniz bir dizi işlem var. Bu menüden yeni bir dosya açabilir, önceden açılmış dosyaya ekleme yapılabilir, eski dosyaları silebilir, bir dosyanın içeriğini görebilir, directory (dosya listesi) alabilir, sürücü hata verdiyse hatayı öğrenebilir ve diskteki arızaları (yer kalmamasından dolayı yarım kalan dosyaları diske zarar vermeden yok etmek gibi) düzeltmek için validate yapabilirsiniz.

Dosyanızı girerken ekranın üst bölümündeki açıklamaları gözardı etmeyin. Bir sayfa bilgi girdikten sonra devam etmek için 'D', hatalarınız varsa onları düzeltmek için 'H', dosyayı bitirmek ya da daha sonra devam etmek üzere kaydetmek için ise 'Ç' tuşuna basmanız gerekiyor. Programın açıklamaları bu kadar, programcılık ve ganyan hayatınızda başarılar dilerim.

```
PROGRAM ADI : AT YARISI

00005 DIM  TRH$(50),MSF$(50),PST$(50)          <071>
00006 DIM  JKY$(50),ZMN$(50),SNC$(50)          <081>
00007 DIM  NT$(50),GNY$(50),KL$(50)            <197>
00010 E=53280:POKE E,5:POKE E+1,5:POKE 64
      6,1                                      <052>
00020 PRINT "<CLR><2SPACE>AT YARISLARI BI
      LGI DOSYALAMA PROGRAMI"                  <080>
00030 PRINT "<DOWN><4SPACE>YAZAN : MURAT
      ERBAS<4SPACE><C> 1990"                   <103>
00040 PRINT "<DOWN><10SPACE>HER HAKKI SAK
      LIDIR."                                  <034>
00050 PRINT "<2DOWN>SECENEKLER:"               <183>
00060 PRINT "<DOWN> F1 - YENI DOSYA ACMA"
                                               <019>
00070 PRINT "<DOWN> F3 - VAR OLAN DOSYAYA
       YENI BILGI EKLEME"                      <026>
00080 PRINT " F5 - BIR DOSYAYI SILME"          <139>
00090 PRINT "<DOWN> F7 - BILGILERIN LISTE
      LENMESI"                                 <159>
00091 PRINT "<DOWN> F2 - DIRECTORY"            <109>
00093 PRINT "<DOWN> F4 - HATA KANALI"          <234>
00094 PRINT "<DOWN> F6 - VALIDATE"             <105>
00095 Q=0                                      <060>
00100 GET  A$:IF A$="" THEN 100                <229>
00110 IF  A$="<F1>"  THEN  170                 <121>
00115 IF  A$="<F2>"  THEN  1580                <246>
00117 IF  A$="<F6>"  THEN  2420                <149>
00120 IF  A$="<F3>"  THEN  610                 <232>
00125 IF  A$="<F4>"  THEN  1790                <161>
00130 IF  A$="<F5>"  THEN  1010                <108>
00140 IF  A$="<F7>"  THEN  1130                <031>
00150 GOTO  100                                <078>
00160 REM  **** YENI DOSYA ACMA ****           <084>
00170 PRINT "<CLR>DOSYA ISMINI YAZIN.ANCA
      K DOSYA ISMI 15 "                        <241>
00180 PRINT "<DOWN>KARAKTERDEN UZUN OLMAM
      ALIDIR.ISIMI YAZ-"                       <098>
00190 PRINT "<DOWN>DIKTAN SONRA <RVSON>RE
      TURN<RVSOFF> TUSUNA BASIN...<DOWN>"
                                               <003>
00200 INPUT  AD$                               <176>
00210 OPEN 5,8,8:CLOSE 5                       <056>
00220 IF ST<0 THEN PRINT "<CLR>DIKKAT!SUR
      UCUYU ACMAYI UNUTMUSSUNUZ.BU"            <115>
00223 IF ST<0 THEN PRINT "<DOWN>SEKILDE C
      ALISAMAM.LUTFEN ACINIZ.":FOR T=1 TO
       3000:NEXT T:GOTO 20                     <179>
00230 IF ST=0 THEN PRINT "<CLR>SURUCU KON
      TROL EDIYOR (1)."                        <077>
00250 OPEN 1,8,2,AD$+",S,W":CLOSE 1            <211>
```

```
00260 OPEN 2,8,15:INPUT#2,A:CLOSE 2                    <199>
00270 IF A=63 THEN PRINT "<CLR>BU ISIMDE
      BIR DOSYA ZATEN VAR!":FOR T=1 TO 20
      00:NEXT T:GOTO 20                                <156>
00290 PRINT "<CLR>1-EN FAZLA 15 KARAKTER"
                                                       <100>
00300 PRINT "2-HER GIRISTEN SONRA <RVSON>
      RETURN<RVSOFF>"                                  <156>
00305 PRINT "<DOWN>DOSYA : ";AD$                       <145>
00310 Q=Q+1                                            <200>
00320 INPUT "<DOWN>TARIH<4SPACE>:";TRH$(Q
      )                                                <070>
00330 INPUT "<DOWN>MESAFE<3SPACE>:";MSF$(
      Q)                                               <169>
00340 INPUT "<DOWN>PIST<5SPACE>:";PST$(Q)
                                                       <192>
00350 INPUT "<DOWN>KILO<5SPACE>:";KL$(Q)               <154>
00360 INPUT "<DOWN>JOKEY<4SPACE>:";JKY$(Q
      )                                                <207>
00370 INPUT "<DOWN>ZAMAN<4SPACE>:";ZMN$(Q
      )                                                <061>
00380 INPUT "<DOWN>SONUC<4SPACE>:";SNC$(Q
      )                                                <065>
00390 INPUT "<DOWN>GANYAN<3SPACE>:";GNY$(
      Q)                                               <226>
00400 INPUT "<DOWN>NOT<6SPACE>:";NT$(Q)                <016>
00410 PRINT "<DOWN><CTRL-1>D<CTRL-2>EVAM<
      3SPACE><CTRL-1>H<CTRL-2>ATA<2SPACE>
      <CTRL-1>C<CTRL-2>IKIS"                           <212>
00420 GET A$:IF A$="" THEN 420                         <007>
00430 IF  A$="D"  THEN  290                            <047>
00440 IF  A$="H"  THEN  Q=Q-1:GOTO 290                 <198>
00450 IF  A$="C"  THEN  470                            <186>
00460 GOTO  420                                        <190>
00470 OPEN 1,8,2,AD$+",S,A"                            <132>
00480 FOR  I=1  TO  Q                                  <084>
00490 PRINT#1,TRH$(I)+" "                              <051>
00500 PRINT#1,MSF$(I)+" "                              <155>
00510 PRINT#1,PST$(I)+" "                              <013>
00520 PRINT#1,KL$(I)+" "                               <096>
00530 PRINT#1,JKY$(I)+" "                              <226>
00540 PRINT#1,ZMN$(I)+" "                              <234>
00550 PRINT#1,SNC$(I)+" "                              <205>
00560 PRINT#1,GNY$(I)+" "                              <096>
00570 PRINT#1,NT$(I)+" "                               <244>
00580 NEXT  I                                          <156>
00590 CLOSE  1                                         <093>
00600 GOTO  20                                         <022>
00610 REM  **** ESKI DOSYAYA EKLEME ****               <174>
00620 PRINT "<CLR>DOSYA ISMINI YAZIN.ANCA
      K DOSYA ISMI 15 "                                <183>
00630 PRINT "<DOWN>KARAKTERDEN UZUN OLMAM
      ALIDIR.ISIMI YAZ-"                               <040>
00640 PRINT "<DOWN>DIKTAN SONRA <RVSON>RE
      TURN<RVSOFF> TUSUNA BASIN...<DOWN>"
                                                       <201>
00650 INPUT  AD$                                       <118>
00660 OPEN 5,8,8:CLOSE 5                               <254>
00670 IF ST<0 THEN PRINT "<CLR>DIKKAT!SUR
      UCUYU ACMAYI UNUTMUSSUNUZ.BU"                    <057>
00675 IF  ST<0  THEN PRINT "<DOWN>SEKILDE
       SIZINLE CALISAMAM."                             <175>
00680 IF  ST<0  THEN PRINT "<DOWN>LUTFEN
      ACINIZ...":FOR T=1 TO 3000:NEXT T:G
      OTO 20                                           <066>
00690 PRINT "<CLR>1-EN FAZLA 15 KARAKTER"
                                                       <246>
00700 PRINT "2-HER GIRISTEN SONRA <RVSON>
      RETURN<RVSOFF>"                                  <046>
00705 PRINT "<DOWN>DOSYA : ";AD$                       <035>
00710 Q=Q+1                                            <090>
00720 INPUT "<DOWN>TARIH<4SPACE>:";TRH$(Q
      )                                                <216>
00730 INPUT "<DOWN>MESAFE<3SPACE>:";MSF$(
      Q)                                               <059>
00740 INPUT "<DOWN>PIST<5SPACE>:";PST$(Q)
                                                       <082>
00750 INPUT "<DOWN>KILO<5SPACE>:";KL$(Q)               <044>
00760 INPUT "<DOWN>JOKEY<4SPACE>:";JKY$(Q
      )                                                <097>
00770 INPUT "<DOWN>ZAMAN<4SPACE>:";ZMN$(Q
      )                                                <209>
00780 INPUT "<DOWN>SONUC<4SPACE>:";SNC$(Q
      )                                                <199>
00790 INPUT "<DOWN>GANYAN<3SPACE>:";GNY$(
      Q)                                               <118>
00800 INPUT "<DOWN>NOT<6SPACE>:";NT$(Q)                <191>
00810 PRINT "<DOWN><CTRL-1>D<CTRL-2>EVAM<
      3SPACE><CTRL-1>H<CTRL-2>ATA<2SPACE>
      <CTRL-1>C<CTRL-2>IKIS"                           <104>
00820 GET A$:IF A$="" THEN 820                         <028>
00830 IF  A$="D"  THEN  690                            <211>
00840 IF  A$="H"  THEN  Q=Q-1:GOTO 690                 <098>
00850 IF  A$="C"  THEN  870                            <094>
00860 GOTO  820                                        <114>
00870 OPEN 1,8,2,AD$+",S,A"                            <024>
00880 FOR  I=1  TO  Q                                  <232>
00890 PRINT#1,TRH$(I)+" "                              <199>
00900 PRINT#1,MSF$(I)+" "                              <047>
00910 PRINT#1,PST$(I)+" "                              <161>
00920 PRINT#1,KL$(I)+" "                               <242>
00930 PRINT#1,JKY$(I)+"<SHIFT-SPACE>"                  <037>
00940 PRINT#1,ZMN$(I)+" "                              <124>
00950 PRINT#1,SNC$(I)+" "                              <095>
00960 PRINT#1,GNY$(I)+" "                              <242>
00970 PRINT#1,NT$(I)+" "                               <134>
00980 NEXT  I                                          <046>
00990 CLOSE  1                                         <239>
01000 GOTO  20                                         <168>
01010 REM  **** DOSYA SILME ****                       <201>
01020 PRINT "<CLR>DOSYA ISMINI YAZIN.ANCA
      K DOSYA ISMI 15 "                                <073>
01030 PRINT "<DOWN>KARAKTERDEN UZUN OLMAM
      ALIDIR.ISIMI YAZ-"                               <188>
01040 PRINT "<DOWN>DIKTAN SONRA <RVSON>RE
      TURN<RVSOFF> TUSUNA BASIN...<DOWN>"
                                                       <093>
01050 INPUT  AD$                                       <010>
01060 OPEN 5,8,8:CLOSE 5                               <146>
01070 IF ST<0 THEN PRINT "<CLR>DIKKAT!SUR
      UCUYU ACMAYI UNUTMUSSUNUZ.BU"                    <205>
01080 IF ST<0 THEN PRINT "<DOWN>SEKILDE C
      ALISAMAM.LUTFEN ACINIZ.":FOR T=1 TO
       3000:NEXT T:GOTO 20                             <020>
01090 OPEN  4,8,15,"S0:"+AD$+"=S":CLOSE 4
                                                       <082>
01100 PRINT "<CLR>";AD$;" ISIMLI DOSYA SI
      LINDI."                                          <120>
01110 PRINT "<DOWN>GECMIS OLSUN...."                   <229>
01120 FOR  T=1  TO  2000:NEXT :GOTO 20                 <222>
01130 REM  **** BILGI GORME ****                       <166>
01140 PRINT "<CLR>DOSYA ISMINI YAZIN.ANCA
      K DOSYA ISMI 15 "                                <195>
01150 PRINT "<DOWN>KARAKTERDEN UZUN OLMAM
      ALIDIR.ISIMI YAZ-"                               <052>
01160 PRINT "<DOWN>DIKTAN SONRA <RVSON>RE
      TURN<RVSOFF> TUSUNA BASIN...<DOWN>"
                                                       <213>
01170 INPUT  AD$                                       <130>
01180 OPEN 5,8,8:CLOSE 5                               <010>
01190 IF ST<0 THEN PRINT "<CLR>DIKKAT!SUR
      UCUYU ACMAYI UNUTMUSSUNUZ.BU"                    <069>
01200 IF ST<0 THEN PRINT "<DOWN>SEKILDE C
      ALISAMAM.LUTFEN ACINIZ.":FOR T=1 TO
       3000:NEXT T:GOTO 20                             <140>
01210 OPEN 7,8,3,AD$+",S,R"                            <064>
01220 Q=Q+1                                            <092>
01230 INPUT#7,TRH$(Q)                                  <167>
01235 IF  TRH$(Q)=""  THEN 1340                        <003>
01240 INPUT#7,MSF$(Q)                                  <015>
01250 INPUT#7,PST$(Q)                                  <129>
01260 INPUT#7,KL$(Q)                                   <125>
01270 INPUT#7,JKY$(Q)                                  <084>
01280 INPUT#7,ZMN$(Q)                                  <094>
01290 INPUT#7,SNC$(Q)                                  <065>
01300 INPUT#7,GNY$(Q)                                  <212>
01310 INPUT#7,NT$(Q)                                   <019>
01320 GOTO  1220                                       <086>
01340 CLOSE  7                                         <129>
01350 FOR  T=1  TO  Q-1                                <039>
01360 PRINT "<CLR>DOSYA ADI : ";AD$                    <105>
01370 PRINT "<DOWN>TARIH<5SPACE>: ";TRH$(
      T)                                               <196>
01380 PRINT "<DOWN>MESAFE<4SPACE>: ";MSF$
      (T)                                              <051>
01390 PRINT "<DOWN>PIST<6SPACE>: ";PST$(T
      )                                                <056>
```

```
                                                        <015>
01410 PRINT "<DOWN>JOKEY<3SPACE>: ";JKY$(
      T)                                                <077>
01420 PRINT "<DOWN>ZAMAN<3SPACE>:<SHIFT-S
      PACE>";ZMN$(T)                                    <088>
01430 PRINT "<DOWN>SONUC<3SPACE>: ";SNC$(
      T)                                                <191>
01440 PRINT "<DOWN>GANYAN<4SPACE>: ";GNY$
      (T)                                               <108>
01450 PRINT "<DOWN>NOT<7SPACE>: ";NT$(T)                <004>
01460 GET  A$:IF  A$=""  THEN  1460                     <115>
01470 NEXT  T                                           <116>
01480 PRINT "<DOWN>TEKRAR GORMEK ISTERMIS
      INIZ ? (E/H)"                                     <217>
01490 GET  A$:IF  A$=""  THEN  1490                     <018>
01500 IF  A$="E"  THEN  1350                            <007>
01510 IF  A$="H"  THEN  1530                            <131>
01520 GOTO  1490                                        <031>
01530 CLR                                               <118>
01540 DIM  TRH$(50),MSF$(50),PST$(50)                   <082>
01550 DIM  JKY$(50),ZMN$(50),SNC$(50)                   <101>
01560 DIM  NT$(50),GNY$(50),KL$(50)                     <226>
01570 GOTO  20                                          <232>
01580 REM  **** DIRECTORY ****                          <091>
01590 PRINT "<CLR><2UP>":POKE  54296,0                  <148>
01600 OPEN  1,8,0,"$"                                   <080>
01610 GET  #1,A$,B$                                     <047>
01620 GET  #1,A$,B$                                     <057>
01630 GET  #1,A$,B$                                     <067>
01640 C=0:IF A$<>""  THEN  C=ASC(A$)                    <081>
01650 IF  B$<>""  THEN  C=C+ASC(B$)*256                 <061>
01660 PRINT  MID$(STR$(C),2);TAB(3);                    <093>
01670 GET  #1,B$:IF  ST<>0  THEN  1750                  <239>
01680 IF  B$<>CHR$(34)  THEN  1670                      <130>
01690 GET #1,B$:IF B$<>CHR$(34)  THEN  PR
      INT B$;:GOTO 1690                                 <206>
01700 GET #1,B$:IF B$=CHR$(33) THEN  1700
                                                        <251>
01710 PRINT TAB(18);:C$=""                              <137>
01720 C$=C$+B$:GET #1,B$:IF  B$<>"" THEN
       1720                                             <010>
01730 PRINT LEFT$(C$,3)                                 <008>
01740 IF  ST=0  THEN  1620                              <000>
01750 PRINT " BLOCKS FREE ":POKE 54296,15
                                                        <074>
01760 CLOSE 1:PRINT :PRINT :PRINT "DONMEK
       ICIN BIR TUSA BASIN.."                           <087>
01770 GET A$:IF A$="" THEN  1770                        <235>
01780 GOTO  20                                          <186>
01790 REM  **** HATA KANALI ****                        <001>
01800 PRINT "<CLR><UP>":OPEN 15,8,15:INPU
      T#15,A:CLOSE 15                                   <212>
01810 IF  A=0  THEN  1980                               <115>
01820 IF  A=1  THEN  2020                               <009>
01830 IF  A>19  AND  A<25  THEN  2070                   <130>
01840 IF  A=26  THEN  2200                              <030>
01860 IF  A=61  THEN  2240                              <129>
01870 IF  A=62  THEN  2280                              <219>
01880 IF  A=63  THEN  2320                              <015>
01890 IF  A=72  THEN  2340                              <001>
01900 IF  A=74  THEN  2380                              <156>
01910 PRINT "<UP>YAPILAN HATAYI SIZ COZEM
      EZSINIZ."                                         <152>
01920 PRINT "<DOWN><RVSON>RUN/STOP + REST
      ORE<RVSON>"                                       <058>
01930 PRINT "<DOWN>TUSLARINA AYNI ANDA BA
      SARAK PROGRAMI"                                   <087>
01940 PRINT "<DOWN>KIRIN.DAHA SONRA ' RUN
       YAZIP <RVSON>RETURN<RVSOFF>"                     <230>
01950 PRINT "<DOWN>TUSUNA BASIN..."                     <014>
01960 GET A$:IF A$="" THEN 1960                         <172>
01970 GOTO  20                                          <122>
01980 PRINT "<CLR>HERSEY YOLUNDA GIDIYOR.
      YANI:"                                            <098>
01990 PRINT "<DOWN>< A L L<3SPACE>S Y S T
       E M S<3SPACE>G O >"                              <033>
02000 GET  A$:IF A$=""  THEN  2000                      <175>
02010 GOTO  20                                          <182>
02020 PRINT "<CLR>BIRAZ EVVEL BIR DOSYA S
      ILDINIZ."                                         <075>
02030 PRINT "<DOWN>HER SEY YOLUNDA,BIR TU
      SA BASARAKDE-"                                    <029>
02040 PRINT "<DOWN>VAM EDIN..."                         <245>
02050 GET  A$:IF  A$=""  THEN  2050                     <101>
02060 GOTO  20                                          <214>
02070 PRINT "<CLR>VAH VAH VAH...OKUMA HAT
      ASI OLMUS."                                       <237>
02180 GET A$:IF A$=""  THEN 2180                        <169>
02190 GOTO  20                                          <088>
02200 PRINT "<CLR>YAZMA HATASI.YENI <RVSO
      N>FORMATLI<RVSOFF>BIR DISKET"                     <028>
02210 PRINT "<DOWN>YERLESTIRIN."                        <109>
02220 GET A$:IF A$="" THEN 2220                         <014>
02230 GOTO  20                                          <128>
02240 PRINT "<CLR>DAHA ONCEDEN ACILMAMIS
      BIR DOSYAYA HI-"                                  <121>
02250 PRINT "<DOWN>TAP EDILIYOR.TEKRAR DE
      NEYIN.."                                          <156>
02260 GET A$:IF A$="" THEN 2260                         <056>
02270 GOTO  20                                          <168>
02280 PRINT "<CLR>DISKETIN UZERINDE OLMAY
      AN BIR DOSYAYI"                                   <173>
02290 PRINT "<DOWN>YUKLEMEYE CALISIYORSUN
      .DIKKAT ET."                                      <189>
02300 GET  A$:IF A$=""  THEN.2300                       <157>
02310 GOTO  20                                          <210>
02320 PRINT "<CLR>BU ISIMDE BIR DOSYA ZAT
      EN VAR."                                          <238>
02330 GET A$:IF A$="" THEN 2330                         <062>
02340 PRINT "<CLR>DISKET DOLMUS.YANI BOS
      YER KALMAMIS."                                    <142>
02350 PRINT "<DOWN>YENI <RVSON>FORMATLANM
      IS<RVSOFF> BIR DISKET KOYUN."                     <113>
02360 GET S$:IF S$="" THEN 2360                         <119>
02370 GOTO  20                                          <014>
02380 PRINT "<CLR>YA SURUCUYE DISKET KOYM
      AYI UNUTTUNUZ."                                   <238>
02385 PRINT "<DOWN>YA DA DISKETTE OLMAYAN
       BIR DOSYAYI ISTE-"                               <101>
02387 PRINT "DINIZ.."                                   <255>
02390 PRINT "<DOWN>NASIL BILDIM DEGIL MI
      ?"                                                <223>
02400 GET  A$:IF  A$=""  THEN  2400                     <068>
02410 GOTO  20                                          <054>
02420 REM  **** VALIDATE ****                           <251>
02430 PRINT "<CLR>DISKET <VALIDATE> EDILI
      YOR.LUTFEN BEKLE-"                                <069>
02440 PRINT "<DOWN>YINIZ...KORKMAYIN DISK
      ET ZARAR GORMUYOR."                               <250>
02450 OPEN 1,8,15,"V":CLOSE 1                           <007>
02460 GOTO 20                                           <104>
```

# MOZAİK

CELAL HALLAÇ

Eğer siz de benim gibi zevkli ve sürükleyici zeka oyunlarını beğeniyorsanız aradığınız oyunu buldunuz demektir. Mozaik aynı anda iki oyuncu ve bilgisayarla birlikte oynanabiliyor. Bu, oyunun başında yapacağınız seçime bağlı. Seçiminizi yapıp oyuna başladığınızda her oyuncunun, üzerinde rakamlar bulunan on adet taşı olduğunu göreceksiniz. Sırası gelen oyuncunun taşlarının altında rakamlar belirecek ve tahmini olarak seçilen bir taş ekranın ortasına gelecektir. Burada amacınız taşlarınızı soldan başlayarak küçükten büyüğe doğru dizmek. Gelen taşı, yerleştirmek istediğiniz pozisyona getirmek için o pozisyonunun altında bulunan rakamın tuşuna basmalısınız. Taşı yerleştirdiğiniz pozisyondaki eski taş yenisi ile yer değiştirecek ve ekranın ortasına yol alacaktır. Böylece sizden sonraki oyuncu sizin eski taşınızı alabilecektir. Eğer gelen taşı beğenmediyseniz aralık çubuğuna basarak ikinci bir taş isteme hakkınız var, tekrar aralık çubuğuna basacak olursanız sıranız geçecek ve bir sonraki oyuncu ortadaki taşı alma hakkına sahip olacaktır. Oyunu, taşlarını ilk olarak sıralayan kazanır ve en yüksek puanı alır. Diğer oyuncular soldan başlamak üzere sıraladıkları taş sayısına göre puan alırlar. Oyun siz çıkana kadar devam eder ve tüm puanlar toplanır. İlk başladığınızda oyunu biraz zor bulabilirsiniz fakat daha sonra oyunu iyice kavrayacağınızdan işler kolaylaşacak ve oyun daha zevkli bir hal alacaktır. Bol puanlı ve çekişmeli mozaikler dileğiyle.

```
PROGRAM ADI : MOZAIK

00020 DIM R,P,N,H,L,T,X,Y,A,B,C,N$(4):S=5
      3248:POKE S+21,0:POKE S+32,6:POKE S
      +24,21                                    <022>
00030 X$="VNMNVDNMZNM":FOR R=1 TO 4:X$=X$
      +X$:READ N$(R):NEXT :F=256:CO=7:GOS
      UB 1210                                   <035>
00040 LN=214:YS=679:DIM H(11,2),B(11,2),P
      (2),C(2)                                  <040>
00050 REM *** MD DATA GIR ***                   <002>
00060 FOR R=YS TO R+25:READ P:POKE R,P:T=
      T+P:NEXT                                  <226>
00070 FOR P=0 TO 2:B(0,P)=1:B(11,P)=1:H(1
      1,P)=65:NEXT :W=828:R=RND(-RND(-TI)
      )                                         <228>
00080 DEF FNV(T)=INT((T-H(L,P))/(H(H,P)-H
      (L,P))*(H-L-1)+L+1)                       <081>
00090 DEF FNL(P)=(P+(P=0) OR (P>PN))*6+11
      -2*PN:DEF FNP(P)=(2=P OR P OR GN AN
      D 1)-1                                    <250>
00100 REM  *** KASET TAMPONUNU TEMIZLE **
      *                                         <146>
00110 POKE 1023,0:POKE 781,1:POKE 782,191
      :POKE 91,3                                <077>
00120 POKE 90,65:POKE 89,3:POKE 88,64:SYS
      41964                                     <081>
00130 REM  *** SPRAYT CIZ ***                   <085>
00140 FOR R=832 TO R+35 STEP 6:READ X,Y:F
      OR P=R TO R+3 STEP 3:POKE P,X:POKE
      P+1,Y:NEXT P,R                            <063>
00150 POKE S+23,10:POKE S+28,10:POKE S+29
      ,10:POKE S+37,8:POKE S+38,0:POKE S+
      39,7                                      <144>
00160 POKE S+40,2:POKE S+41,7:POKE S+42,2
      :POKE S+4,174:POKE S+6,174                <223>
00170 POKE 2040,14:POKE 2041,13:POKE 2042
      ,15:POKE 2043,13                          <149>
00180 REM  *** KARO SAYISI ***                  <063>
00190 FOR R=1 TO 64:DK$=DK$+CHR$(R):NEXT
                                                <062>
00200 REM  *** MENU SECIMINI AL ***             <174>
00210 POKE 198,0                                <118>
00220 GET D$:IF D$="" THEN 220                  <151>
00230 IF D$="<F7>" THEN CO=7-CO:GOSUB 126
      0:GOTO 210                                <244>
00240 IF D$=CHR$(13) THEN D$="4":GOTO 270
                                                <155>
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00250 IF D$="0" THEN IF GM THEN 300 <055>
00260 IF D$<"1" OR D$>"4" THEN 210 <176>
00270 G=0:GM=0:GN=VAL(D$):PN=1-(GN>2):N$(
      0)=N$(ADS(GN-2)+2) <185>
00280 M=146-16*PN:POKE S+5,M+5:POKE S+7,M
      +5:FOR R=0 TO PN:P(R)=0:NEXT <094>
00290 REM  *** OYUNLA ILGILEN *** <030>
00300 GOSUB 1340:D=64:FOR P=0 TO PN:POKE
      LN,FNL(P):PRINT <153>
00310 PRINT "<UP><RIGHT><C=7>"N$(P)TAB(80
      -LEN(STR$(P(P))));MID$(STR$(P(P)),2
      ):FOR R=1 TO 10 <216>
00320 GOSUB 1030:H(R,P)=T:B(R,P)=0:PRINT
      "<DOWN><C=1><RVSOFF>R<CTRL-8>";:IF
      FNP(P) THEN POKE 646,CO <160>
00330 PRINT RIGHT$(STR$(T),2)"<CTRL-3><RV
      SON>R<DOWN><4LEFT><C=1>F<CTRL-3><RV
      SOFF>TT<RVSON>B<2UP><4LEFT><C=1>VTT
      <CTRL-3>E";:NEXT R,P:HM=11:P=G <031>
00340 GOSUB 1020:GOSUB 1310:GOSUB 1170:FO
      R P=0 TO PN STEP 2:L=0:H=11:GOSUB 1
      060:NEXT :P=G <128>
00350 REM  *** MAIN LOOP *** <032>
00360 P=-(P+1)*(P<PN):IF FNP(P) THEN 460 <166>
00370 REM  *** OYUNCUNUN HAREKETINI AL **
      * <053>
00380 POKE 198,0 <034>
00390 GET D$:IF (D$<"0" OR D$>"9") AND D$
      <>" " THEN 390 <235>
00400 IF D$<>" " THEN 430 <244>
00410 GOSUB 1020:GOSUB 1160:POKE 198,0 <210>
00420 GET D$:IF (D$<"0" OR D$>"9") AND D$
      <>" " THEN 420 <199>
00430 GOSUB 1330:IF D$=" " THEN POKE S+21
      ,3:GOSUB 1310:GOTO 360 <191>
00440 N=VAL(D$)-10*(D$="0"):PRINT "<CTRL-
      B>";:GOTO 510 <117>
00450 REM  *** KOMPUTERIN HAREKETINI AL *
      * <046>
00460 GOSUB 740:IF B(N,P)-1 OR E THEN 490
      <067>
00470 GOSUB 1020:GOSUB 1160:GOSUB 740:IF
      B(N,P)-1 OR E THEN 490 <135>
00480 R=(N=L)-(N=H):IF R THEN IF ABS(T-H(
      N,P))<ABS(T-H(N-R,P)) THEN N=N+R:E=
      1 <010>
00490 GOSUB 1330 <080>
00500 REM  *** OYUNU EKRANDA GOSTER *** <140>
00510 POKE S+21,3:I=N-5.5:SN=-1.5*(SGN(P-
      .5)-(P=2)):X=168:FOR Y=M TO Y-SN*32
       STEP -SN <056>
00520 POKE W,X:POKE W+1,Y:SYS YS:X=X+I:IF
       X>=F THEN X=X-F:POKE W+2,3 <254>
00530 NEXT :POKE LN,FNL(P):IF FNP(P) THEN
       POKE 646,CO <218>
00540 PRINT :PRINT TAB(4*N+37)RIGHT$(STR$
      (T),2):R=H(N,P):H(N,P)=T:T=R <241>
00550 FOR R=1 TO 9:IF H(R,P)<H(R+1,P) THE
      N NEXT <215>
00560 C(P)=R:ON 11-RGOTO 610:GOSUB 1310:G
      OSUB 1110:POKE 198,0:X=X-I:FOR Y=Y+
      SN TO M STEP SN <017>
00570 POKE W,X:POKE W+1,Y:SYS YS:X=X-I:IF
       X<0 THEN X=X+F:POKE W+2,0 <255>
00580 NEXT :IF FNP(P) THEN IF E+B(N,P)=0
      THEN B(N,P)=1:HM=H:H=N:GOSUB 1060 <194>
00590 E=0:GOTO 360 <215>
00600 REM  *** KAZANMA RUTINI *** <226>
00610 POKE LN,FNL(0)+4:PRINT :PRINT TAB(8
      )"<CTRL 2>";MID$(STR$(GM+1),2)".<RI
      GHT>RAUNDU<RIGHT>"N$(P)"<RIGHT>ALDI
      " <214>
00620 POKE S+21,0:FOR R=0 TO PN:PRINT ,"<
      RIGHT>"RIGHT$("<4RIGHT>"+N$(R),11)"
      :<RIGHT>"; <212>
00630 PRINT RIGHT$(STR$(C(R)*5),2):NEXT :
      GM=GM+1:G=G+1:IF G>PN THEN G=0 <115>
00640 POKE 646,14:FOR R=0 TO PN:Y=0:D=7:I
      F P=R THEN D=1 <096>
00650 FOR X=55377+FNL(R)*40 TO X+39 STEP
      4:Y=Y+1:IF Y>C(R) THEN D=11 <073>
00660 POKE X,D:POKE X+1,D:NEXT X:P(R)=P(R
      )+C(R)*5 <169>
00670 POKE LN,FNL(R):PRINT :PRINT "<UP>"S
      PC(40-LEN(STR$(P(R))))MID$(STR$(P(R
      )),2):NEXT R <221>
00680 POKE LN,FNL(1)+4:PRINT :PRINT TAB(6
      )"<CTRL-4>BIR<RIGHT>TUSA<RIGHT>BASI
      N.<RIGHT>aF1a<RIGHT>=<RIGHT>MENU":P
      OKE W+2,3 <156>
00690 POKE 198,0 <090>
00700 GET D$:IF D$="" THEN 700 <155>
00710 IF D$="<F1>" THEN GOSUB 1210:GOTO 2
      10 <208>
00720 GOTO 300 <156>
00730 REM  *** ALTRTN:EN IYI OYUNU SEC **
      * <123>
00740 N=INT(T/6.5+1):IF B(N,P) THEN 920 <180>
00750 FOR L=N-1 TO 1 STEP -1:IF B(L,P)-1
      THEN NEXT <208>
00760 IF T<H(L,P) THEN N=L:GOTO 920 <155>
00770 FOR H=N+1 TO 10:IF B(H,P)-1 THEN NE
      XT <191>
00780 IF T>H(H,P) THEN N=H:GOTO 920 <142>
00790 N=FNV(T):IF H-L<4 OR T-H(L,P)<6 OR
      H(H,P)-T<6 THEN RETURN <223>
00800 B=0:Y=L:HM=H:X=N:C=0 <167>
00810 H=E+X:IF B(H,P) THEN 870 <002>
00820 A=H(H,P):IF C=0 THEN H(H,P)=T <238>
00830 B(H,P)=1:GOSUB 1060:H=E+X:L=0 <158>
00840 FOR R=Y+1 TO HM-1:L=L+B(R,P):NEXT :
      H(H,P)=A:A=B<L:IF A THEN B=L:N=H <019>
00850 FOR R=Y+1 TO HM-1:IF A THEN B(R,1)=
      B(R,P) <120>
00860 B(R,P)=0:NEXT :L=Y <144>
00870 IF E-1 THEN E=(E=0)-E:GOTO 810 <072>
00880 IF C OR H(N,P)<H(Y,P) OR H(N,P)>H(H
      M,P) THEN 910 <095>
00890 IF H(N,P)-H(Y,P)<4*(N-Y-1) OR H(HM,
      P)-H(N,P)<4*(HM-N-1) THEN 910 <094>
00900 IF ABS(T-H(N,P))<(H(HM,P)-H(L,P))/(
      HM-L-1) THEN C=B:X=N-1:H=N:B=B-1:GO
      TO 820 <021>
00910 FOR R=Y+1 TO HM-1:B(R,P)=B(R,1):NEX
      T :IF C=0 OR B<C THEN RETURN <016>
00920 E=0:FOR L=N TO 1 STEP -1:IF B(L-1,P
      ) THEN NEXT <159>
00930 FOR H=N TO 10:IF B(H+1,P) THEN NEXT
       <043>
00940 IF T<H(L,P) THEN N=L-1:GOTO 750 <162>
00950 IF T>H(H,P) THEN N=H+1:GOTO 750 <009>
00960 FOR N=L TO H:IF T>H(N,P) THEN NEXT
       <244>
00970 IF L=0 THEN 990 <175>
00980 N=N+(N-L<=H-N OR H>9):IF N=H=L-H TH
      EN N=N+(H(N-1,P)<H(N-2,P) AND H(N-2
      ,P)<T) <157>
00990 R=(N=L)-(N=H):IF R THEN IF (H(N,P)<
      H(N+R,P))=(H(N+R,P)<T) THEN B(N,P)=
      0:GOTO 750 <126>
01000 RETURN <040>
01010 REM  *** ALTRTN:SONRAKI KARO CIZ **
      * <126>
01020 POKE 781,1:POKE 782,62:POKE 91,3:PO
      KE 90,128:POKE 89,3:POKE 88,192:SYS
       41964 <170>
01030 X=RND(1)*D+1:DK$=LEFT$(DK$,X-1)+MID
      $(DK$,X+1)+MID$(DK$,X,1) <011>
01040 T=ASC(RIGHT$(DK$,1)):D=D-1:RETURN <115>
01050 REM  *** ALTRTN:ELI DEGERLENDIR ***
       <093>
01060 FOR R=L+1 TO H-1:IF FNV(H(R,P))=R T
      HEN B(R,P)=1:ON R-LGOTO 1080:H=R:GO
      TO 1060 <103>
01070 NEXT :IF R>=HM THEN RETURN <204>
01080 FOR L=R TO HM-2:IF B(L+1,P) THEN NE
      XT :RETURN <230>
01090 FOR R=L+1 TO HM-1:IF B(R,P)-1 THEN
      NEXT <161>
01100 H=R:GOTO 1060 <204>
01110 REM  *** ALTRTN:NUMARALARI SPRAYTA
      AL *** <221>
01120 A=S+8*ASC(RIGHT$(STR$(T),2)):B=8-A+
      8*(ASC(RIGHT$(STR$(T),1))):C=921 <221>
01130 POKE 56333,127:POKE 1,251:FOR R=A T
      O A+7:POKE C,PEEK(R) <052>
01140 POKE C+1,PEEK(R+B):C=C+3:NEXT :POKE
       1,255:POKE 56333,129:RETURN <253>
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01150 REM  *** ALTRTN:KAROYU EKRANA GE¶IR
      ***                                          <212>
01160 FOR R=1 TO 10:POKE W,R/2+168:POKE W
      +1,R/2+M:SYS YS:NEXT :POKE S+21,12           <008>
01170 POKE W+1,M:POKE W,225:POKE W+2,3:SY
      S YS:POKE S+21,PEEK(S+21) OR 3               <212>
01180 POKE 198,0:GOSUB 1110:A=244:FOR R=1
       TO 90:A=A+2:IF A=F THEN POKE W+2,0
      :A=0                                         <022>
01190 POKE W,A:SYS YS:NEXT :RETURN                 <252>
01200 REM  *** ALTRTN:MENUYU CIZ ***               <065>
01210 GOSUB 1340:PRINT "<2DOWN>"LEFT$("<3
      RIGHT><CTRL-4>a0â<2RIGHT>OYUNA<RIGH
      T>DEVAM<RIGHT>ETME.",SGN(GM)*30)             <078>
01220 PRINT "<CTRL-8><3RIGHT>a1â<2RIGHT>O
      YUNCU<RIGHT>OYUNCUYLA"                       <048>
01230 PRINT "<3RIGHT>a2â<2RIGHT>OYUNCU<RI
      GHT>KOMPUTERLE"                              <207>
01240 PRINT "<3RIGHT>a3â<2RIGHT>OYUNCU<RI
      GHT>OYUNCU<RIGHT>VE<RIGHT>KOMPUTERL
      E"                                           <059>
01250 PRINT "<3RIGHT>a4â<2RIGHT>OYUNCU<RI
      GHT>KOMPUTER<RIGHT>VE<RIGHT>KOMPUTE
      RLE<2DOWN>"                                  <003>
01260 PRINT "<HOME><14DOWN>":PRINT TAB(3)
      "<CTRL-4>KAROLARI<RIGHT>"MID$("<2SP
      ACE>AC<3SPACE>KAPA",CO+1,4);                 <151>
01270 PRINT "MAK<RIGHT>ICIN<RIGHT>(KOMPUT
      ERIN)":PRINT TAB(5)"SECMEDEN<RIGHT>
      ONCE<RIGHT>aF7â<RIGHT>YE<RIGHT>BASI
      N."                                          <138>
01280 RETURN                                       <068>
01300 REM  *** ALTRTN:PRINT ***                    <059>
01310 POKE LN,FNL(P+1)+1:PRINT :PRINT "<C
      =7><DOWN><RVSON>â1<RVSOFF>";                 <137>
01320 PRINT "â<RIGHT><RVSON>â2<RVSOFF>â<R
      IGHT><RVSON>â3<RVSOFF>â<RIGHT><RVSO
      N>â4<RVSOFF>â<RIGHT><RVSON>â5 <2RIG
      HT> ô¶<RIGHT><RVSOFF>¶<RVSON>7¶<RIG
      HT><RVSOFF>¶<RVSON>8¶<RIGHT><RVSOFF
      >¶<RVSON>9¶<RIGHT><RVSOFF>¶<RVSON>0
      ¶<UP>":RETURN                                <189>
01330 PRINT "<CTRL-7><RVSOFF>"MID$(X$,7*F
      NL(P)-4,40)"<CTRL-8>":RETURN                 <142>
01340 POKE S+17,43:PRINT "<CTRL-7><CTRL-H
      ><CLR>"X$X$X$X$X$LEFT$(X$,118)"N<LE
      FT><INST>Z<HOME><RVSOFF><CTRL-2>",           <140>
01350 PRINT "<LEFT>M<3RIGHT>O<3RIGHT>Z<3R
      IGHT>A<3RIGHT>I<3RIGHT>K":POKE S+33
      ,0:POKE S+17,27:RETURN                       <231>
01360 DATA "OYUNCU<RIGHT>1","KOMPUTER<RIG
      HT>1","OYUNCU<RIGHT>2","KOMPUTER<RI
      GHT>2"                                       <165>
01370 DATA 173,17,208,16,251,160,2,185,59
      ,3,153,255,207                               <239>
01380 DATA 153,1,208,136,208,244,173,62,3
      ,141,16,208,96                               <036>
01390 DATA 21,88,95,250,127,254,127,254,9
      5,250,26,168                                 <250>
```